

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



Sponsors



Official airline



Partners



Time	Speakers	
8h00 - 8h55	Guest Reception (Check - In) & Welcome Coffee	
8h55 - 9h00	Safety Moment	
9h00 - 11h00	OFFICIAL OPENING CEREMONY	
	<input type="checkbox"/> Angola National Anthemn, African Union Anthemn	
	<input type="checkbox"/> Welcome Message from the Host	<input type="checkbox"/> Eng. Augusto Neto (OEA President)
	<input type="checkbox"/> Introduction of Guest of Honour and Cabinet Ministers Present	<input type="checkbox"/> Honorable Mário Oliveira (Minister of Telecommunications, Information Technology and Social Communication)
	<input type="checkbox"/> Keynote Adress by the Guest of Honor	
	<input type="checkbox"/> AEW Objectives and Introduction	<input type="checkbox"/> Eng. Martin Manuhwa (AEW Chair)
	<input type="checkbox"/> UNESCO AEW Message (5 Minutes)	<input type="checkbox"/> Prof. Martiale Zebaze Kana -Head of Science UNESCO Regional Office for Southern Africa
	<input type="checkbox"/> WFEO AEW Message (5 Minutes)	<input type="checkbox"/> Eng. Mustafa Shehu (WFEO President)
	<input type="checkbox"/> FAEO AEW Message (5 Minutes)	<input type="checkbox"/> Eng. Papias Kazawadi (FAEO President)
	<input type="checkbox"/> AU Goodwill Message (5 Mlnutes)	<input type="checkbox"/> Dr. Ahmed Hamdy (Executive Director AU/STRIC)
	<input type="checkbox"/> Brief solidarity Messages (3 Minutes each)	<input type="checkbox"/> Prof. Dr. José Vieira (WFEO & FEANI Past-president)
		<input type="checkbox"/> Eng. Sebastião Pai Querido Martins (CEO of Sonangol)
		<input type="checkbox"/> Eng. Augusto Guedes (President of Order of Technical Engineers of Portugal)
		<input type="checkbox"/> Eng. Fernando de Almeida Santos (President of Order of Engineers of Portugal)
11h00 – 11h30	Sponsors & Opening Of The Exhibitions	Guest Of Honor and VVIPs
11h30 - 13h00	SUB – THEME: ENGINEERING EDUCATION AND CAPACITY BUILDING	
	SESSION 1: "CAPACITY BUILDING ENGINEERING EDUCATION, PROFESSIONAL DEVELOPMENT, AND MOBILITY"	
	<input type="checkbox"/> Session Chair	<input type="checkbox"/> Eng. Mustafa Shehu (President of World Federation of Engineering Organizations).
	<input type="checkbox"/> Paper 1: Engineering Capacity Building – World Federation of Engineering Organizations.	<input type="checkbox"/> Eng. Martin Manuhwa (Chair WFEO/FAEO Capacity Building Committee)
	<input type="checkbox"/> Paper 2: Developing Engineering Capacity in Africa by the FAEO President	<input type="checkbox"/> Eng. KAZAWADI Papias Dedeki (President of FAEO)
	<input type="checkbox"/> Paper 3: Catching the Young – Capacity Building from a YE.	<input type="checkbox"/> Eng. Michelle Maphosa (Project Manager SIBO the Engineer)
	<input type="checkbox"/> Paper 4: President - Southern Africa Federation of Engineering Organizations – SADC MRAs	<input type="checkbox"/> Eng. Linda Moseki (President of SAFE0)
	<input type="checkbox"/> Panel Members to Discuss Capacity Building and Engineering Education in Africa	<input type="checkbox"/> Dr. Boakye Kwame (President of the Ghana Engineering Council)
		<input type="checkbox"/> Dr. Yashin Brijmohan (FAEO Engineering Education STC)
		<input type="checkbox"/> Prof. Moses Olayemi (Presiden of Africa Engineering Education Diaspora Forum)
		<input type="checkbox"/> Mr. Jones Moloisane (Former Member of the Government Group of IEA and Chair of IETA)
	<input type="checkbox"/> Q & A	
13h00 – 14h00	Lunch Break	
	TECHNICAL PAPERS – Moderator: Dr. Ahmed Hamdy	
14h00 - 14h30	<input type="checkbox"/> TECHNICAL PAPERS: Engineering Education and Capacity Building in Africa: Unlocking Potential for Sustainable Development.	<input type="checkbox"/> Eng. Lone Batshegi
14h30 – 15h00	<input type="checkbox"/> TECHNICAL PAPERS: Transforming Revenue Generation: Leveraging Drone Technology For Efficient Meter Reading in Disaster/Flood - Prone Areas.	<input type="checkbox"/> Eng. Gloria Poku
15h00 – 17h30	SUB – THEME: SUSTAINABILITY AND INNOVATIVE INFRASTRUCTURE.	
	Moderator: Eng. Tec. Augusto Guedes	
	<input type="checkbox"/> Zero Degraded Houses Award: Sustainable Development Goals (SDGs) and the Construction of Sustainable Cities	<input type="checkbox"/> Eng. Augusto Paulino de Almeida Neto (OEA President)
	<input type="checkbox"/> Wastewater - Vice-President of the Regional Section of Madeira	<input type="checkbox"/> Eng. (OET) Débora Santos
	<input type="checkbox"/> Artificial Intelligence applied to cities	<input type="checkbox"/> Nuno Cota, Engº (OET)
	<input type="checkbox"/> Engineering: the key factor for sustainable development in Africa	<input type="checkbox"/> Prof. Dr. José Vieira (WFEO & FEANI Past-president)
	<input type="checkbox"/> An Organizational Information Systems Architecture for Groundwater Industry Management and Sustainable Development Goals	<input type="checkbox"/> Prof. Dr. Emmanuel Saturnino (OEA)

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Time		Speakers
8h00 - 8h55	Guest Reception (Check - In) & Welcome Coffee	
8h55 - 9h00	Safety Moment	
9h00 - 10h00	High Level Delegation	
9H00 - 11H20	7TH AFRICAN WOMEN ENGINEERS FORUM	
	EMPOWERING WOMEN IN ENGINEERING TO BUILD A SUSTAINABLE AFRICAN FUTURE	
	<input type="checkbox"/> National Anthem	
	<input type="checkbox"/> Introductions	
	<input type="checkbox"/> WIE Welcome Message	<input type="checkbox"/> Eng. Dr. Enyonam Kpekpena WFEO Vice President, Chair Committee on Women in Engineering (WFEO/FAEO)
	<input type="checkbox"/> OEA Welcome Message	<input type="checkbox"/> Eng. Fernanda Flora, (Coordinator, Women Commission, Order of Engineers of Angola)
09h45 - 10h05	Sponsors	
10h05 - 10h35	PRESENTATION ON STRATEGIC THEMES AND FAEO – WIE ACTION PLAN	
	<input type="checkbox"/> Panel 1: Engineering Workforce Capacity Building: To increase diversity and inclusivity in the future skills pipeline	<input type="checkbox"/> Eng. Alberta Amankwaa and Eng. Bervely Nyakutsikwa
	<input type="checkbox"/> Panel 2: Engineering Workforce Capacity building: To encourage female engineering retention and leadership.	<input type="checkbox"/> Eng. Joan Nweke and Ing. Pearl Essel
	<input type="checkbox"/> Panel 3: Collection of Engineering Strategic Indicators	<input type="checkbox"/> Eng. Tshego Cornelius and Eng. Virginia Pohamba
	<input type="checkbox"/> Panel 4: Working in Partnership to address the Sustainable Development Goals, with a particular emphasis on Goal 5 and its relationship with the other Goals	<input type="checkbox"/> Eng. Naa Lamkai Quaye-Ballard
	<input type="checkbox"/> FAEO Welcome Remarks	<input type="checkbox"/> Eng. Kazawadi Papias Dedeki (President, FAEO)
	<input type="checkbox"/> Good Will Messages	<input type="checkbox"/> Eng. Mustapha Shehu (President, WFEO) and Eng. Refilwe Buthelezi (President Elect, FAEO)
	<input type="checkbox"/> Keynote Speech	<input type="checkbox"/> Madam Lidie Britom - Assistant Director-General for Natural Sciences, UNESCO
	<input type="checkbox"/> Closing Remarks	<input type="checkbox"/> Eng. Valerie Agberagba (Chair, Planning Committee 7th AWEF)
11h20 - 11h40	Tea Break	
11h40 - 13h10	ENGINEERING AND ACCELERATING AfCFTA IMPLEMENTATION	
	Moderator: Dr. Kwame Boakye	
	<input type="checkbox"/> Panel 1 : Empowering Women: Overcoming the Gender Gap in Facilitating Business and Opportunities for Women Engineers	<input type="checkbox"/> Eng Martin Manuhwa <input type="checkbox"/> Dr. Zolana Joao <input type="checkbox"/> Ms. Brigitte Dzogbenuku <input type="checkbox"/> Eng. Francisca Pereira <input type="checkbox"/> Ms. Gemma Matshediso Mbegabolawem <input type="checkbox"/> Engr. Yetunde Holloway
13h10 - 14h00	Lunch Break	
14h00 - 15h00	ENGINEERING EDUCATION AND TRAINING - Moderator: Prof. Rildo Francisco	
	<input type="checkbox"/> Panel 2 : Promote Leadership Among Female Engineers Through Capacity Developments	<input type="checkbox"/> Ms. Rovani Sigamoney <input type="checkbox"/> Dr., Eng. Alice Ceita <input type="checkbox"/> Eng Carlien Bou-Chedid <input type="checkbox"/> Eng. Vera Mário <input type="checkbox"/> Eng. Margaret Aina Oguntala
15h00 - 15h20	Coffee Break	
15h00 - 17h30	TECHNICAL PAPERS – Moderador: Dr. Mohammed Kyari	
	<input type="checkbox"/> Capacity Building through Engineering Education: Foundations for Africa's	<input type="checkbox"/> Joan Nweke FNSE FNICE

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8h00 - 8h55	Guest Reception (Check - In) & Welcome Coffee	
8h55 - 9h00	Safety Moment	
9h00 – 10h00	High Level Delegation Keynotes	
10h00 – 11h30	AEW PARTNERS PRESENTATION	
	<input type="checkbox"/> Public Procurement and Innovation	<i>Dr. Aldmiro Matoso (SNCP Director)</i>
	<input type="checkbox"/> PRODEL	
	<input type="checkbox"/> INRH	
	TECHNICAL PAPERS. Moderator: Eng. Sebastião Ventura	
11h30 - 12h00	<input type="checkbox"/> TECHNICAL PAPERS: Towards a Net Zero Luanda: Carbon Neutral Solutions for Sustainable Coastal Regeneration in Ramiros	<i>Aiadne Dias Elga Teixeira Elga Sousa Lurdes Sebastião</i>
	<input type="checkbox"/> TECHNICAL PAPERS: INNOVATIVE AND SUSTAINABLE SOLUTIONS OF THEMAPUTO-KATEMBE BRIDGE, THE LONGEST SUSPENSION BRIDGE IN AFRICA	Eng. Basílio NZunga
13h00 – 14h00	Lunch Break	
14h00 – 17h30	YOUNG ENGINEERS FORUM	
	THE ROLE OF YOUNG ENGINEER IN THE IMPLEMENTATION OF AFRICAN CONTINENTAL FREE TRADE AREA (AFCFTA)	
14h00 - 14h15	<input type="checkbox"/> Opening of the Event	<i>Dr. Luísa Grilo</i>
	<input type="checkbox"/> Welcome & FAEO YEF Presentation & Action Plan	<i>Eng. Doreen Kirima</i>
14h15 – 15h10	Panel 1: Shaping the Future: Education, Trade, Infrastructure & Business In a Changing World	<i>Eng Dlozi Mnisi Eng. José Palanca Arq. Shady Moustafa Arq. Aurio Cristiano</i>
	<input type="checkbox"/> Educational System & Project Implementation	
	<input type="checkbox"/> Climate Change & Resilient Infrastructure	
	<input type="checkbox"/> Business Case Studies & Project Presentations : Engineering Education and Capacity Building	
15h10– 15h40	UPSKILLING STUDENTS FOR INNOVATION AND ENTREPRENEURSHIP	<i>Prof. Dr. Surya Raghu (Scientist, Inventor and Entrepreneur)</i>
15h40 – 16h30	TECHNICAL PAPER & PANELS: Moderator: Eng. Linda Moseki	
	<input type="checkbox"/> Transforming Revenue Generation: Leveraging Drone Technology for Efficient Meter Reading in Disaster/Flood-prone Areas	Michael NYOAGBE
16h30 – 17h20	Panel 2: Engineering for Impact - Organizations Shaping Our Future	<i>Eng. Ariadne Dias Eng. Marco Filipe Eng. Marco Paulo</i>
	<input type="checkbox"/> Building Bridges : The Role of SMET in Empowering the Next Generation of Female Leaders	
	<input type="checkbox"/> Engineering and Science for all	
	<input type="checkbox"/> Science and Applied Technology	
17h20 – 17h30	Panel 3: Navigating The Future - Innovation, Sustainability & Opportunities In Africa ROUND TABLE	<i>Eng. Amanuel Hailemariam Eng. Gonçalves Zamuamba Eng. Verónica Choconeza</i>
17h40	<input type="checkbox"/> Closing Remarks	<i>Eng. Joelson Matos</i>

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8h00 - 8h55	Guest Reception (Check - In) & Welcome Coffee
8h55 - 9h00	Safety Moment
9h00 - 10h00	High Level Delegation Keynotes
10h00 - 13h00	AEW PARTNERS & SPONSORS PRESENTATION
	<input type="checkbox"/> Sonangol <input type="checkbox"/> Engineering and Infrastructure Development in a Continental Free Trade Area <input type="checkbox"/> ENDIAMA <input type="checkbox"/> CATOCA
12h00 - 13h00	TECHNICAL PAPERS. Moderator: Dr. Gemma Modu <input type="checkbox"/> The Importance of Modernized Data Management Systems for Innovative and Sustainable Infrastructures: The Case Study of Rufiji River Basin Water Board, in Tanzania <input type="checkbox"/> Eng. Silva Numa (DAR Angola)
13h00 - 14h00	Lunch Break
14h00 - 15h30	CAPACITY BUILDING FORUM. Moderator: Eng. Refilwe Buthelezi <input type="checkbox"/> Welcome Remarks <input type="checkbox"/> AU-ASRIC <input type="checkbox"/> WFEO Africa Capacity Building Programme <input type="checkbox"/> DISCUSSION PANEL ON ENGINEERING CAPACITY BUILDING IN AFRICA <input type="checkbox"/> Closing Remarks from the FAEO President
	<input type="checkbox"/> Eng. Mustafa Shehu – WFEO President <input type="checkbox"/> Dr. Mohammed Kyari <input type="checkbox"/> Eng. Martin Manuhwa -WFEO Capacity Building Chair and FAEO Past President <input type="checkbox"/> Eng. Kiteme Shammah <input type="checkbox"/> Eng. Kwabena Bempong <input type="checkbox"/> Dr. Gemma Modu <input type="checkbox"/> Dr. Somda Maxime <input type="checkbox"/> Eng. Papias KAZAWADI
15h30 - 15h45	Coffee Break
15h45 - 16h30	ENGINEERING AS A FACTOR IN AFRICA'S INDUSTRIALIZATION AND ECONOMIC DEVELOPMENT <input type="checkbox"/> Prof. Dr. António Chivanga Barros
16h30 - 16h50	TECHNICAL PAPER. Moderator: Prof. Dr. António Chivanga Barros <input type="checkbox"/> Fast Pyrolysis (CFP) of Woody Biomass, a Sustainable method in the Syngas for Clean Energy Generation. <input type="checkbox"/> Afolabi Olalekan
16h50 - 17h40	Panel 1: The Impact of Road Infrastructure and Aviation on Economic Growth". Moderator: Eng. Augusto Baltazar de Almeida <input type="checkbox"/> New Dr. Antonio Agostinho Neto Airport <input type="checkbox"/> The Role of Road Infrastructure in Solving Challenges in Africa. <input type="checkbox"/> Degraded Buildings in Angola, Challenges and Opportunities for Sustainable Transformation.
	<input type="checkbox"/> Eng. Paulo Nobrega <input type="checkbox"/> Eng. Miguel Nelembe (Deputy Director General for the Bridge Area of the Angolan Roads Institute) <input type="checkbox"/> Eng. Helder Biala
18h15 - 19h00	CLOSING CERIMONY
19h30	GALA DINNER

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TOUR TO CATOCA MINE

CITY TOUR AND MUPAS' LUNCH

5h30	Arrival at Luanda Airport
5h50	Check In
6h00	Departure to the CATOCA Mine
7h45	Arrival in CATOCA
8h00	Reception in CATOCA
8h20 – 12h00	Visit to the CATOCA Facilities
12h00 – 13h00	Lunch
13h00 – 13h15	Arrival at the Airport and Check In

10h00	Departure from Intercontinental Hotel
	Iron Palace
	Monument to the Unknown Soldier
	Fortaleza São Miguel
	Mausoleo Dr. Agostinho Neto
	Museum of Slavery
	Moon Viewpoint
	Barra do Kwanza
	Lunch At Mupas'
20h00	Arrival to the Hotel

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