























# ENGINEERING

INNOVATIVE INFRASTRUCTURE SOLUTIONS FOR A SUSTAINABLE AFRICA AND SWIFT AFCFTA IMPLEMENTATION

9<sup>TH</sup> - 13<sup>TH</sup> SEPTEMBER 2024

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



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

















































**Partners** 



### **SEPTEMBER 9 PLENARY**

Reynote Adress by the Guest of Honor	Time				Speakers			
9900 - 1110000 - 1110000 - 11100000 - 1110000000000	8h00 - 8h55	Guest Reception (Check - In) & Welcome Coffee						
Angola National Anthemy, African Union Anthemy   Eng. Agunto Neto (OEA President)   Eng. Agunto Neto (OEA President)	8h55 - 9h00	Safety Moment						
Welcome Message from the Host	9h00 - 11h00	OFFICIAL OPENING CEREMONY						
Introduction of Guest of Honour and Cabinet Ministers Present   Honorable Mario Cliliveira (Minister of Telecomunications, Information Technology and Social Communication)   AEW Objectives and Introduction   Eng. Martin Manuhva (AEW Chair)   AEW Objectives and Introduction   Prof. Martinal Zabase Krans - Head of Science UNESCO Regional Office for Southern Africa (Ministers Present)   Prof. Martinal Zabase Krans - Head of Science UNESCO Regional Office for Southern Africa (Ministers)   Prof. Martinal Zabase Krans - Head of Science UNESCO Regional Office for Southern Africa (MYEC) President)   Eng. Apalas Kazawadi (FAEO President)   Eng. Martin Manuhva (Chair WiFEO FAEO Capacity Bull Committee)   Eng. Martin Manuhva (Chair WiFEO FAEO Capacity Bull Committee)   Eng. Kazawadi (FAEO President)   Eng. Apalas Kazawadi (FAEO President)   Eng. Lone Batsheji   Eng. Education in Africa Engineering Education in Africa Engineering Education in Africa Engineering Ed			Angola National Anthemn, African Union Anthemn					
Reynote Adress by the Guest of Honor			Welcome Message from the Host		Eng. Augusto Neto (OEA President)			
UNESCO AEW Message (5 Minutes) PAGE OAEW Message (6 Minutes) AU Goodwill Message (6 Minutes)  Brief solidarity Messages (3 Minutes each)  Prof. Dr. José Vieira (WFEO & FEANI Past-president)  Brief solidarity Messages (3 Minutes each)  Prof. Dr. José Vieira (WFEO & FEANI Past-president)  Brief solidarity Messages (3 Minutes each)  Brief solidarity Messages (2 Minutes)  Brief solidarity Messages (3 Minutes)  Brief solidarity Messages (2					Honorable Mário Oliveira (Minister of Telecomunications, Information Technology and Social Communication)			
WFEO AEW Message (6 Minutes)   Regional Office for Southern Africa Engineering Capacity Building and Engineering Organizations - SADC MRAs   Paper 2: Persident Service President of FAEO President)   President Service President of FAEO President of Pre			AEW Objectives and Introduction		Eng. Martin Manuhwa (AEW Chair)			
AU Goodwill Message (5 Minutes)  Brief solidarity Messages (3 Minutes each)  Brief solidarity Messages (4 Minutes Brief each each each each each each each each			WFEO AEW Message (5 Minutes)		Regional Office for Southern Africa			
Brief solidarity Messages (3 Minutes each)    Prof. Dr. José Vieira (WFEO & FEANI Past-president)   Eng. Sebastião Pai Querido Martins (CEO of Sonangol)   Eng. Augusto Guedes (President of Order of Technical Engineers of Portugal)   Eng. Fernando de Almieida Santos (President of Order of Engineers of Portugal)   Eng. Fernando de Almieida Santos (President of Order of Engineers of Portugal)   Eng. Fernando de Almieida Santos (President of Order of Engineers of Portugal)   Eng. Fernando de Almieida Santos (President of Order of Engineers of Portugal)   Eng. Fernando de Almieida Santos (President of Order of Engineers of Portugal)   Eng. Brand Maria (President of Portugal)   Eng. Brand Maria (President of Portugal)   Eng. Brand Maria (President of Morid Federation of Engineers)   Eng. Mustafa Shehu (President of World Federation of Engineering Organizations).   Eng. Maria Manuhwa (Chair WECO/FAEO Capacity Buil Committee)   Paper 1: Engineering Capacity Building – World Federation of Engineering Organizations.   Eng. Maria Manuhwa (Chair WECO/FAEO Capacity Building Federation of Engineering Organizations).   Eng. Maria Manuhwa (Chair WECO/FAEO Capacity Building Federation of Engineering Organizations).   Eng. Maria Manuhwa (Chair WECO/FAEO Capacity Building Federation of Eng. KAZAWADI Papias Dedeki (President of FAEO)   Paper 3: Catching the Young – Capacity Building from a YE.   Eng. Michelle Maphosa (Project Manager SiBO the Engineering Organizations – SADC MRAs   Paper 4: President - Southern Africa Federation of Engineering   Eng. Linda Moseki (President of SAFEO)   Dr. Soakye Kwame (President of SAFEO)   Dr. Soakye Kwame (President of Africa Engineering Education Disposar Forum)   Mr. Jones Moloisane (Former Member of the Government Group of IEA and Chair of IETA)   Technical Papers – Moderator: Dr. Ahmed Hamdy   Eng. Lone Batshegi   Eng. Lone Batshegi   Eng. Lone Batshegi   Eng. Conciliation of Poku Dissaterificio – Prone Areas.   SUB – THEME: SUSTAINABILITY AND INNOVATIVE INFRASTRUCTURE.   Eng. Augusto Pauli		Ī	TALO ALW Mossage (e minutos)					
Page 1: Engineering Organizations   Page 2: Peterloping Engineering Organizations   Page 3:			AU Goodwill Message (5 Mlnutes)		Dr. Ahmed Hamdy (Executive Director AU/STRIC)			
Engineers of Portugal)    Sopio   Family   Sopio   Sopio   Family   Sopio   Family   Sopio   Family   Sopio   Family   Sopio   Sopi			Brief solidarity Messages (3 Minutes each)		Eng. Sebastião Pai Querido Martins (CEO of Sonangol)			
11h00 - 11h30   Sponsor's & Opening Of The Exhibitions   Guest Of Honor and VVIPs								
SUB - THEME: ENGINEERING EDUCATION AND CAPACITY BUILDING								
SESSION 1: "CAPACITY BUILDING ENGINEERING EDUCATION, PROFESSIONAL DEVELOPMENT, AND MOBILITY"  Session Chair  Session Chair  Paper 1: Engineering Capacity Building – World Federation of Engineering Organizations.  Paper 2: Developing Engineering Capacity in Africa by the FAEO Engineering Organizations.  Paper 3: Catching the Young – Capacity Building from a YE.  Paper 4: President - Southern Africa Federation of Engineering Organizations - SADC MIRAs  Paper 4: President - Southern Africa Federation of Engineering Organizations - SADC MIRAs  Paper 4: President - Southern Africa Federation of Engineering Organizations - SADC MIRAs  Paper 4: President - Southern Africa Federation of Engineering Dr. Boakye Kwame (President of SAFEO)  Dr. Boakye Kwame (President of the Ghana Engineering Education in Africa Engineering Education In Africa Education In Africa Engineering Education In Engin	11h00 – 11h30	Sponso	ors & Opening Of The Exhibitions		Guest Of Honor and VVIPs			
PROFESSIONAL DEVELOPMENT, AND MOBILITY*   Session Chair	11h30 - 13h00							
Session Chair   Session Chair   Engineering Organizations   Eng. Martin Manuhwa (Chair WFEO/FAEO Capacity Building – World Federation of Eng. Martin Manuhwa (Chair WFEO/FAEO Capacity Building – World Federation of Eng. Martin Manuhwa (Chair WFEO/FAEO Capacity Building – World Federation of Eng. Martin Manuhwa (Chair WFEO/FAEO Capacity Building – Washer of Paper 2: Developing Engineering Capacity in Africa by the FAEO   Eng. KAZAWADI Papias Dedeki (President of FAEO)								
Engineering Organizations. Committee)    Paper 2: Developing Engineering Capacity in Africa by the FAEO   Eng. KAZAWADI Papias Dedeki (President of FAEO) President   Paper 3: Catching the Young – Capacity Building from a YE.   Eng. Michelle Maphosa (Project Manager SIBO the Engineering Organizations – SADC MRAs   Paper 4: President - Southern Africa Federation of Engineering Organizations – SADC MRAs   Paper 4: President - Southern Africa Federation of Engineering   Eng. Linda Moseki (President of SAFEO)   Paper 4: President - Southern Africa Federation of Engineering   Prof. Moses (President of SAFEO)   Paper 4: President of SAFEO)   President of the Ghana Engineering Council)   Prof. Moses Olayemi (President of the Ghana Engineering Education in Africa   Prof. Moses Olayemi (President of Africa Engineering Education ST Prof. Moses Olayemi (President of Africa Engineering Education Prof. Moses Olayemi (President of He Government Group of IEA and Chair of IETA)    Application			Session Chair	ш.				
President  Paper 3: Catching the Young – Capacity Building from a YE.  Paper 4: President - Southern Africa Federation of Engineering Organizations – SADC MRAs  Paper 4: President - Southern Africa Federation of Engineering Organizations – SADC MRAs  Paper 4: President - Southern Africa Federation of Engineering Organizations – SADC MRAs  Paper 4: President - Southern Africa Federation of Engineering Council)  Dr. Boakye Kwame (President of the Ghana Engineering Council)  Dr. Yashin Brijmohan (FAEO Engineering Education STI Prof. Moses Olayemi (Presiden of Africa Engineering Education Diaspora Forum)  Mr. Jones Moloisane (Former Member of the Government Group of IEA and Chair of IETA)  13h00 – 14h00  Lunch Break  TECHNICAL PAPERS - Moderator: Dr. Ahmed Hamdy  TECHNICAL PAPERS: Engineering Education and Capacity Building in Africa: Unlocking Potential for Sustainable Development.  Leveraging Drone Technology For Efficient Meter Reading in Disaster/Flood - Prone Areas.  SUB - THEME: SUSTAINABILITY AND INNOVATIVE INFRASTRUCTURE.  Moderator: Eng. Tec. Augusto Guedes  Zero Degraded Houses Award: Sustainable Development Goals (SDGs) and the Construction of Sustainable Cities			Engineering Organizations.		Eng. Martin Manuhwa (Chair WFEO/FAEO Capacity Building Committee)			
Paper 4: President - Southern Africa Federation of Engineering Organizations – SADC MRAS  Dr. Boakye Kwame (President of SAFEO)  Dr. Yashin Brijmohan (FAEO Engineering Education in Africa Engineering Education in Africa Engineering Education in Africa  Panel Members to Discuss Capacity Building and Engineering Education Disapora Forum)  Mr. Jones Moloisane (Former Member of the Government Group of IEA and Chair of IETA)  13h00 – 14h00  Lunch Break  TECHNICAL PAPERS – Moderator: Dr. Ahmed Hamdy  14h00 - 14h30  TECHNICAL PAPERS: Engineering Education and Capacity Building in Africa: Unlocking Potential for Sustainable Development.  14h30 – 15h00  TECHNICAL PAPERS: Transforming Revenue Generation: Leveraging Drone Technology For Efficient Meter Reading in Disaster/Flood - Prone Areas.  SUB – THEME: SUSTAINABILITY AND INNOVATIVE INFRASTRUCTURE. Moderator: Eng. Tec. Augusto Guedes  Zero Degraded Houses Award: Sustainable Development Goals (SDGs) and the Construction of Sustainable Development Goals (SDGs) and the Construction of Sustainable Division of Eng. Augusto Paulino de Almeida Neto (OEA President)					Eng. KAZAWADI Papias Dedeki (President of FAEO)			
Organizations – SADC MRAs    Dr. Boakye Kwame (President of SAPEC)			Paper 3: Catching the Young – Capacity Building from a YE.		Eng. Michelle Maphosa (Project Manager SIBO the Engineer)			
Council) Dr. Yashin Brijmohan (FAEO Engineering Education STI Prof. Moses Olayemi (Presiden of Africa Engineering Education Diaspora Forum) Mr. Jones Moloisane (Former Member of the Government Group of IEA and Chair of IETA)  Lunch Break TECHNICAL PAPERS - Moderator: Dr. Ahmed Hamdy  14h00 - 14h30 TECHNICAL PAPERS: Engineering Education and Capacity Building in Africa: Unlocking Potential for Sustainable Development. Leveraging Drone Technology For Efficient Meter Reading in Disaster/Flood - Prone Areas.  SUB - THEME: SUSTAINABILITY AND INNOVATIVE INFRASTRUCTURE. Moderator: Eng. Tec. Augusto Guedes  Zero Degraded Houses Award: Sustainable Development Goals (SDGs) and the Construction of Sustainable Cities  Council) Dr. Yashin Brijmohan (FAEO Engineering Education STI Prof. Moses Olayemi (Presiden of Africa Engineering Education Diaspora Forum) Mr. Jones Moloisane (Former Member of the Government Group of IEA and Chair of IETA)  TECHNICAL PAPERS: Engineering Education and Capacity Building in Africa: Unlocking Potential for Sustainable Development.  Eng. Lone Batshegi  Eng. Gloria Poku  Eng. Gloria Poku  Eng. Gloria Poku  Eng. Augusto Paulino de Almeida Neto (OEA President)					Eng. Linda Moseki (President of SAFEO)			
Parlet Members to Discuss Capacity Building and Engineering Education Diaspora Forum)    Prof. Moses Olayemi (Presiden of Africa Engineering Education Diaspora Forum)								
Mr. Jones Moloisane (Former Member of the Government Group of IEA and Chair of IETA)					Prof. Moses Olayemi (Presiden of Africa Engineering			
13h00 – 14h00  Lunch Break  TECHNICAL PAPERS – Moderator: Dr. Ahmed Hamdy  14h00 - 14h30  TECHNICAL PAPERS: Engineering Education and Capacity Building in Africa: Unlocking Potential for Sustainable Development.  TECHNICAL PAPERS: Transforming Revenue Generation: Leveraging Drone Technology For Efficient Meter Reading in Disaster/Flood - Prone Areas.  SUB – THEME: SUSTAINABILITY AND INNOVATIVE INFRASTRUCTURE. Moderator: Eng. Tec. Augusto Guedes Zero Degraded Houses Award: Sustainable Development Goals (SDGs) and the Construction of Sustainable Cities  Eng. Augusto Paulino de Almeida Neto (OEA President)					Mr. Jones Moloisane (Former Member of the Government			
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TECHNICAL PAPERS - Moderator: Dr. Ahmed Hamdy  14h00 - 14h30  TECHNICAL PAPERS: Engineering Education and Capacity Building in Africa: Unlocking Potential for Sustainable Development.  TECHNICAL PAPERS: Transforming Revenue Generation: Leveraging Drone Technology For Efficient Meter Reading in Disaster/Flood - Prone Areas.  SUB - THEME: SUSTAINABILITY AND INNOVATIVE INFRASTRUCTURE. Moderator: Eng. Tec. Augusto Guedes Zero Degraded Houses Award: Sustainable Development Goals (SDGs) and the Construction of Sustainable Cities  Eng. Augusto Paulino de Almeida Neto (OEA President)	13h00 – 14h00	Lunch Break						
Building in Africa: Unlocking Potential for Sustainable Development.  TECHNICAL PAPERS: Transforming Revenue Generation: Leveraging Drone Technology For Efficient Meter Reading in Disaster/Flood - Prone Areas.  SUB - THEME: SUSTAINABILITY AND INNOVATIVE INFRASTRUCTURE.  Moderator: Eng. Tec. Augusto Guedes Zero Degraded Houses Award: Sustainable Development Goals (SDGs) and the Construction of Sustainable Cities  Eng. Lone Batshegi	101100 111100	TECHNICAL PAPERS – Moderator: Dr. Ahmed Hamdy						
Leveraging Drone Technology For Efficient Meter Reading in Disaster/Flood - Prone Areas.  SUB - THEME: SUSTAINABILITY AND INNOVATIVE INFRASTRUCTURE.  Moderator: Eng. Tec. Augusto Guedes  Zero Degraded Houses Award: Sustainable Development Goals (SDGs) and the Construction of Sustainable Cities  Leveraging Drone Technology For Efficient Meter Reading in Disaster Reading in Disaster/Flood - Prone Areas.  Eng. Gloria Poku  Eng. Gloria Poku  Eng. Gloria Poku  Eng. Gloria Poku	14h00 - 14h30				Eng. Lone Batshegi			
15h00 – 17h30 Moderator: Eng. Tec. Augusto Guedes  Zero Degraded Houses Award: Sustainable Development Goals (SDGs) and the Construction of Sustainable Cities  Eng. Augusto Paulino de Almeida Neto (OEA President)	14h30 – 15h00		Leveraging Drone Technology For Efficient Meter Reading in		Eng. Gloria Poku			
Zero Degraded Houses Award: Sustainable Development Goals (SDGs) and the Construction of Sustainable Cities  Eng. Augusto Paulino de Almeida Neto (OEA President)	15h00 – 17h30	SUB – THEME: SUSTAINABILITY AND INNOVATIVE INFRASTRUCTURE.						
□ Wastewater - Vice-President of the Regional Section of Madeira □ Eng. (OET) Débora Santos			Zero Degraded Houses Award: Sustainable Development Goals		Eng. Augusto Paulino de Almeida Neto (OEA President)			
					Eng. (OET) Débora Santos			
□ Artificial Intelligence applied to cities □ Nuno Cota, Eng <sup>o</sup> (OET)			Artificial Intelligence applied to cities		Nuno Cota, Engº (OET)			
Engineering: the key factor for sustainable development in Africa  Prof. Dr. José Vieira (WFEO & FEANI Past-president)			Engineering: the key factor for sustainable development in Africa		Prof. Dr. José Vieira (WFEO & FEANI Past-president)			
An Organizational Information Systems Architecture for Groundwater Prof. Dr. Emmanuel Saturnino (OEA)			An Organizational Information Systems Architecture for Groundwate Industry Management and Sustainable Development Goals	er 🗆	Prof. Dr. Emmanuel Saturnino (OEA)			

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SEPTEMBER 10 PLENARY

Time				Speakers			
8h00 - 8h55	Guest Reception (Check - In) & Welcome Coffee						
8h55 - 9h00	Safety Moment						
9h00 – 10h00	High	Level Delegation					
9H00 – 11H20		FRICAN WOMEN ENGINEERS FORUM					
	AFRIC	DWERING WOMEN IN ENGINEERING TO BUILD A SUSTAINABLE CAN FUTURE					
		National Anthem Introductions					
		WIE Welcome Message		Eng. Dr. Enyonam Kpekpena WFEO Vice President, Chair Committee on Women in Engineering (WFEO/FAEO)			
		OEA Welcome Message		Eng. Fernanda Flora, (Coordinator, Women Commission, Order of Engineers of Angola)			
09h45 – 10h05	Spon	sors					
10h05 – 10h35	PRESENTATION ON STRATEGIC THEMES AND FAEO – WIE ACTION PLAN						
		Panel 1: Engineering Workforce Capacity Building: To increase diversity and inclusivity in the future skills pipeline		Eng. Alberta Amankwaa and Eng. Bervely Nyakutsikwa			
		Panel 2: Engineering Workforce Capacity building: To encourage female engineering retention and leadership.		Eng. Joan Nweke and Ing. Pearl Essel			
		Panel 3: Collection of Engineering Strategic Indicators		Eng. Tshego Cornelius and Eng. Virginia Pohamba			
		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		Eng. Naa Lamkai Quaye-Ballard			
		FAEO Welcome Remarks		Eng. Kazawadi Papias Dedeki (President, FAEO)			
		Good Will Messages		Eng. Mustapha Shehu (President, WFEO) and Eng. Refilwe Buthelezi (President Elect, FAEO)			
		Keynote Speech	000	Madam Lidie Britom - Assistant Director-General for Natural Sciences, UNESCO			
		Closing Remarks		Eng. Valerie Agberagba (Chair, Planning Committee 7th AWEF)			
11h20 – 11h40	Tea Break						
11h40 – 13h10	ENGINEERING AND ACCELERATING AfCFTA IMPLEMENTATION Moderator: Dr. Kwame Boakye						
				Eng Martin Manuhwa Dr. Zolana Joao			
	Panel 1 : Empowering Women: Overcoming the Gender Gap in Facilitating			Ms. Brigitte Dzogbenuku			
	Busin	ess and Opportunities for Women Engineers		Eng. Francisca Pereira			
				Ms. Gemma Matshediso Mbegabolawem			
401.40	Lunc	h Break		Engr. Yetunde Holloway			
13h10 – 14h00		NEERING EDUCATION AND TRAINING - Moderator: Prof. Rildo					
14h00 – 15h00	Francisco						
				Ms. Rovani Sigamoney			
	Panel 2: Promote Leadership Among Female Engineers Through Capacity			Dr., Eng. Alice Ceita			
		opments		Eng Carlien Bou-Chedid			
	20.0.			Eng. Vera Mário			
15h00 – 15h20	Coffe	e Break		Eng. Margaret Aina Oguntala			
15h00 - 17h30	TECHNICAL PAPERS – Moderador: Dr. Mohammed Kyari						
171100		Capacity Building through Engineering Education: Foundations for Africa's		Joan Nweke FNSE FNICE			

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SEPTEMBER 11 PLENARY

Time		Speakers
8h00 - 8h55	Guest Reception (Check - In) & Welcome Coffee	
8h55 - 9h00	Safety Moment	
9h00 – 10h00	High Level Delegation Keynotes	
10h00 – 11h30	AEW PARTNERS PRESENTATION	
	□ Public Procurement and Innovation	Dr. Aldmiro Matoso (SNCP Director)
	PRODEL	
	□ INRH	
	TECHNICAL PAPERS. Moderator: Eng. Sebastião Ventura	
11h30 - 12h00	□ TECHNICAL PAPERS: Towards a Net Zero Luanda: Carbon Neutral Solutions for Sustainable Coastal Regeneration in Ramiros	Aiadne Dias Elga Teixeira Elga Sousa Lurdes Sebastião
	☐ TECHNICAL PAPERS: INNOVATIVE AND SUSTAINABLE SOLUTIONS OF THEMAPUTO-KATEMBE BRIDGE, THE LONGEST SUSPENSIONBRIDGEINAFRICA	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	□ Opening of the Event	Dr. Luísa Grilo
141100 - 141113	□ Welcome & FAEO YEF Presentation & Action Plan	Eng. Doreen Kirima
	Panel 1: Shaping the Future: Education, Trade, Infrastructure & Business In a Changing World  ☐ Educational System & Project Implementation	Eng Dlozi Mnisi
14h15 – 15h10	□ Climate Change & Resilient Infrastructure	Eng. José Palanca Arq. Shady Moustafa
	Business Case Studies & Project Presentations : Engineering Education and Capacity Building	Arq. Silady Modisiala Arq. Aurio Cristiano
15h10– 15h40	UPSKILLING STUDENTS FOR INNOVATION AND ENTREPRENEURSHIP	Prof. Dr. Surya Raghu (Scientist, Inventor and Entrepreneur)
15h40 – 16h30	TECHNICAL PAPER & PANELS: Moderator: Eng. Linda Moseki	
	☐ Transforming Revenue Generation: Leveraging Drone Technology for Efficient Meter Reading in Disaster/Flood-prone Areas	Michael NYOAGBE
	Panel 2: Engineering for Impact - Organizations Shaping Our Future	Eng. Ariadna Dica
16h30 – 17h20	<ul> <li>Building Bridges: The Role of SMET in Empowering the Next Generation of Female Leaders</li> </ul>	Eng. Ariadne Dias Eng. Marco Filipe
	□ Engineering and Science for all □ Science and Applied Technology	Eng. Marco Paulo
	• • • • • • • • • • • • • • • • • • •	Eng. Amanuel Hailemariam
17h20 – 17h30	Panel 3: Navigating The Future - Innovation, Sustainability & Opportunities In Africa ROUND TABLE	Eng. Gonçalves Zamuamba Eng. Verónica Choconeza
17h40	□ Closing Remarks	Eng. Joelson Matos

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SEPTEMBER 12 PLENARY

			Speakers		
Guest Reception (Check - In) & Welcome Coffee					
Safety Moment High Level Delegation Keynotes					
	Sonangol				
	Engineering and Infrastructure Development in a Continental Free Trade Area		Eng. Silva Numa (DAR Angola)		
	ENDIAMA				
	CATOCA				
TECH	NICAL PAPERS. Moderator: Dr. Gemma Modu				
	The Importance of Modernized Data Management Systems for Innovative and				
	Sustainable Infrastructures: The Case Study of Rufiji River Basin Water Board, in		Masaka Yusufu Maganga		
Lunch					
	Welcome Remarks		Eng. Mustafa Shehu – WFEO President		
□ Al	U-ASRIC		Dr. Mohammed Kyari		
<u> </u>	WFEO Africa Capacity Building Programme		Eng. Martin Manuhwa -WFEO Capacity Building Chair and FAEO Past President		
			Eng. Kiteme Shammah		
	DISCUSSION PANEL ON ENGINEERING CAPACITY BUILDING IN AFRICA		Eng. Kwabena Bempong Dr. Gemma Modu		
			Dr. Somda Maxime		
	Closing Remarks from the FAEO President		Eng. Papias KAZAWADI		
Coffe	e Break		//		
			Prof. Dr. António Chivanga Barros		
TECH	NICAL PAPER. Moderator: Prof. Dr. António Chivanga Barros				
	Fast Pyrolysis (CFP) of Woody Biomass, a Sustainable method in the Syngas for Clean Energy Generation.		Afolabi Olalekan		
Panel 1: The Impact of Road Infrastructure and Aviation on Economic Growth".					
	New Dr. Antonio Agostinho Neto Airport		Eng. Paulo Nobrega		
<u> </u>	The Role of Road Infrastructure in Solving Challenges in Africa.		Eng. Miguel Nelembe (Deputy Director General for the Bridge Area of the Angolan Roads Institute)		
	Degraded Buildings in Angola, Challenges and Opportunities for Sustainable Transformation.		Eng. Helder Biala		
CLOS	SING CERIMONY				
GALA	DINNER				
	Safety High AEW  CAPA CAPA CAPA CAPA COffe ENGII DEVE TECH CAPA COFFE CAPA CO	Safety Moment High Level Delegation Keynotes  AEW PARTNERS & SPONSORS PRESENTATION  Sonangol Engineering and Infrastructure Development in a Continental Free Trade Area ENDIAMA CATOCA  TECHNICAL PAPERS. Moderator: Dr. Gemma Modu The Importance of Modernized Data Management Systems for Innovative and Sustainable Infrastructures: The Case Study of Rufiji River Basin Water Board, in Tanzania  Lunch Break  CAPACITY BUILDING FORUM. Moderator: Eng. Refilwe Buthelez! Welcome Remarks AU-ASRIC  DISCUSSION PANEL ON ENGINEERING CAPACITY BUILDING IN AFRICA  Closing Remarks from the FAEO President  Coffee Break  ENGINEERING AS A FACTOR IN AFRICA'S INDUSTRIALIZATION AND ECONOMIC DEVELOPMENT  TECHNICAL PAPER. Moderator: Prof. Dr. António Chivanga Barros Fast Pyrolysis (CFP) of Woody Biomass, a Sustainable method in the Syngas for Clean Energy Generation.  Panel 1: The Impact of Road Infrastructure and Aviation on Economic Growth". Moderator: Eng. Augusto Baltazar de Almeida New Dr. Antonio Agostinho Neto Airport  The Role of Road Infrastructure in Solving Challenges in Africa.	Safety Moment High Level Delegation Keynotes  AEW PARTNERS & SPONSORS PRESENTATION  Sonangol Engineering and Infrastructure Development in a Continental Free Trade Area ENDIAMA CATOCA TECHNICAL PAPERS. Moderator: Dr. Gemma Modu The Importance of Modernized Data Management Systems for Innovative and Sustainable Infrastructures: The Case Study of Rufiji River Basin Water Board, in Tanzania  Lunch Break CAPACITY BUILDING FORUM. Moderator: Eng. Refilwe Buthelezi Welcome Remarks AU-ASRIC UFEO Africa Capacity Building Programme  DISCUSSION PANEL ON ENGINEERING CAPACITY BUILDING IN AFRICA Colosing Remarks from the FAEO President Coffee Break ENGINEERING AS A FACTOR IN AFRICA'S INDUSTRIALIZATION AND ECONOMIC DEVELOPMENT Fast Pyrolysis (CFP) of Woody Biomass, a Sustainable method in the Syngas for Clean Energy Generation Panel 1: The Impact of Road Infrastructure and Aviation on Economic Growth''. Moderator: Eng. Augusto Baltazar de Almeida New Dr. Antonio Agostinho Neto Airport The Role of Road Infrastructure in Solving Challenges in Africa. Degraded Buildings in Angola, Challenges and Opportunities for Sustainable Transformation.  CLOSING CERIMONY		

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### **TOUR/VISIT SEPTEMBER 13**

TOUR TO CATOCA MINE		CITY TOUR AND MUPAS' LUNCH			
5h30	Arrival at Luanda Airport	10h00	Departure from Intercontinental Hotel		
5h50	Check In		Iron Palace		
6h00	Departure to the CATOCA Mine		Monument to the Unknown Soldier		
7h45	Arrival in CATOCA		Fortaleza São Miguel		
8h00	Reception in CATOCA		Mausoleo Dr. Agostinho Neto		
8h20 – 12h00	Visit to the CATOCA Facilities		Museum of Slavery		
12h00 – 13h00	Lunch		Moon Viewpoint		
13h00 – 13h15	Arrival at the Airport and Check In		Barra do Kwanza		
			Lunch At Mupas'		
		20h00	Arrival to the Hotel		





































