



WEST AFRICA CENTRES OF EXCELLENCE IN ENERGY NETWORK - WACEENET

3rd THEMATIC FACULTY AND STUDENT SYMPOSIUM

July 22 - 26, 2024, University of Lomé

Lomé, TOGO Republic.

1. Centre d'Excellence Régional pour la Maîtrise de l'Electricité (CERME), Togo
2. Africa Centre of Excellence for Sustainable Power and Energy Development (ACE-SPED), Nigeria
3. Regional Centre of Excellence for Energy and Environmental Sustainability (RCEES), Ghana
4. Africa Centre of Excellence for Future Energies and Electrochemical Systems (ACE-FUELS), Nigeria
5. Africa Centre of Excellence for Oilfield Chemicals Research (ACE-CEFOR), Nigeria

THEME : Energy Transition and Social Justice : Universal Access to Energy

PROGRAM OF ACTIVITIES

DAY 1 - MONDAY, July 22, 2024 - ARRIVAL

DAY 2: Tuesday, July 23, 2024		Chairman: Alphonse LOGO (SCOM CERME)
TIME	ACTIVITY	RESPONSIBLE
8.30 – 9.00 am	Registration	Symposium Committee /Hotesses
9.00-9.20 am	Introductions/Opening Remarks	Dr BOKOVI Yao, CERME/ Director
9.20-9.30 am	Goodwill Message	Rev. Prof. Ing. Eric Ofosu Antwi (CL, ACE-RCEES/ Coordinator WACEENET)
9.30-10.30 am	Keynote Address	Prof. BATAWILA Komlan, University of Lome/ Vice-President
10.30-11.00 am	TEA/COFFEE BREAK	
	INAUGURAL CONFERENCE	
11.00 – 11.20 am	GUEST 1: AIMS (Visio conference) African Institute for Mathematical Sciences, Kigali, Rwanda Topic: Backcasting Energy in Society 5.0: The role of generative AI and digital twins in building resilient energy systems	Pr Cecil Naphtaly Moro Ouma (Ph. D)
11.20 – 11.40 am	GUEST 2: CCS (Comité Consultatif Sectoriel) du CERME Theme: The Issue of Energy Transition	Mr AGBOKOU Jean-Marie & TOVIAWOU Koffi

11.40 – 12.00 am	First Discussion/Q&A	Moderator : Prof. SALAMI A. AKIM
	ACADEMIC FACULTY PRESENTATIONS	
12.00-12.20 pm	CERME, Togo Topic: Elaboration and characterization of ZnO thin films for photovoltaic applications	Dr BANETO Mazabalo, Associate Professor/ CERME-Deputy Director
12.20-12.40 pm	ACE-SPED, Nigeria Topic: Improving the performance of thermal systems using Exergy analysis or Second Law approach.	Engr. Dr. Mkpamdi Eke (Assoc. Prof. of Mechanical Engineering and Head of Power Engineering programme of ACE-SPED).
12.40-13.00 pm	Second Discussion/Q&A	Moderator : Dr Gadedjisso-Tossou Komlan
13.00 – 14.30 pm	LUNCH BREAK	
14.30-14.50	ACE-FUELS, Nigeria: Topic: Polymer nanocomposites: Efficient Tool for Energy Harvesting and Storage	Engr Dr Simeon Nwanonenyi
14.50-15.10	RCEES, Ghana: Topic: Assessing the Performance of Hydro-Solar Hybrid (HSH) Grid Integration: A Case Study of Bui Generating Station, Ghana	Ms. Francisca Asare Bediako
15.10 - 15.30	ACE-CEFOR, Nigeria: Topic: Sustainable Oil and Gas Development in Africa: New Insights on Process Optimization and Novel Adsorbents	Dr Victor Aimikhe
15.30-16.00	Third Discussion/Q&A	Moderator : M. Ransford Wusah Bakuri

16.00-16.30	TEA/COFFEE BREAK	
16.30-17.00	Report of the day	Dr: Kpelou Pali (CERME) Ing. Amoussou Komi Dr Agoro
19.00-21.00	WELCOME DINNER	Hotel du Golfe

DAY 3: Wednesday, July 24, 2024		Chairman: Alphonse LOGO
STUDENT'S PRESENTATIONS		
9.00-9.20 am	ACE-CEFOR, Nigeria Topic: Evaluation of Lagenaria Breviflora (Christmas melon) as Eco-friendly Corrosion Inhibitor in Oil and Gas operations	Mrs Amara Igboamalu
9.20-9.40 am	ACE-FUELS, Nigeria: Topic: Improving the performance of Chromen-2-one-based Dye sensitized solar cells by molecular engineering.	Miss Ruth Iloba
9.40- 100 am	CERME, Togo: Topic: Diagnosing of fault in a photovoltaic system using Extra Trees Ensemble Algorithm	TOCHE TCHIO Guy Merlin
10.00-10.20 am	Guest 3 : AIMS (Visio conference) African Institute for Mathematical Sciences, Kigali, Rwanda	Dr. KONDI AKARA Vicky

	Topic: Navigating Africa's Evolving Energy Landscape: Insights and Strategies for Climate-Resilient Growth	
10.20-10.50	Fourth Discussion/Q&A	Moderator: Mr Uduma Ikpa
10.50-11.10	TEA/COFFEE BREAK	
11.10-11.30	ACE-SPED, Nigeria Topic: Energy Sustainability in Crop Production: Electric Agricultural Robots as an Alternative to the Traditional Tractor Machines	Engr. Uche Ezechi
11.30-12.00	RCEES, Ghana Topic: Ghana's Energy Landscape: A UENR Perspective on Transition Pathways	Ing. Samuel Akowuah Okyere
12.00-12.30 pm	Discussion/Q&A	Moderator: Mr Uduma Ikpa
12.30- 14.30	LUNCH BREAK	
14.30-14.50	GUEST 4: KYA energy Topic: La nécessaire transition énergétique en Afrique : Enjeux et défis	Prof. AZOUMAH Yao
14.50-15.10	GUEST 5: TMSU International Topic: Energy Access,Development and Solidarity:: what prospects for our populations?	Prof. AGBATI Koffigan
15.10-15.40		Moderator: M. Romeo Tweneboah Kodua

	Discussion/Q&A	
15.40-16.00	TEA/COFFEE BREAK	
16.00-16.30	REPORT OF DAY 2	Dr: Kpelou Pali (CERME) Dr Agoro M. Amoussou Komi
16.30 - 17.30	WACEENET Meeting/Closing	

DAY 4: Thursday, July 25, 2024

Tour Day

9.00-	- Visit to TMSU International at DALAVE	
12.30	Back to Lome University	
12.30-14.30	LUNCH BREAK	

FRIDAY, July 26, 2024 - LEAVING DAY