71st AMEU Convention 2025





SUNDAY, 5 OCTOBER 2025						
Affiliates Sports Day						
10:30 - 13:00	Sports Day Activities	5 KM	5 KM Hike @ Beacon Bay			
17:45 – 22:00	Sports Dinner	East Lo	East London Golf Club			
MONDAY, 6 OCTOBER 2025						
07:00	Registration and refreshments					
09:00	Assembly & procession	5	EXCO & VIP			
	National anthem	5	BCMM Choral Choir			
	Prayer and scripture reading	5	Rev Pam Daweti			
09:15	Welcome by the AMEU President	10	Mr Nndwamato Tom Mutshidza, AMEU President			
09:30	Welcome by the Host, Buffalo City Metropolitan Municipality (BCMM)	15	The Executive Mayor Ms Princess Faku, Buffalo City Metropolitan Municipality			
09:45	Keynote Address by The Minister of COGTA	30	The Honourable Minister Mr Velenkosini Hlabisa.			
10:15	Keynote Address by The Minister of Electricity and Energy	30	The Honourable Minister Dr Kgosientsho Ramokgopa			
10:45	Address by the CEO, NERSA	30	Adv Nomalanga Sithole			
11:15	Announcement - Invitation for the AMEU Convention 2026 venue	15	AMEU Convention 2026 host			
11:30	AMEU Honorary Membership Awards	20	Mr Jean Venter, AMEU General Secretary			
11:50	Handover of AMEU Presidency chain/baton	10	Mr Jean Venter, AMEU General Secretary			
12:00	Refreshment and exhibition viewing / Departure of spouses					
INTRODUCTION TO DAY 1 Session Chair: Rob Ferrier, AMEU President						
12:30	PANEL DISCUSSION: "Harnessing Al and Smart Technologies: Transforming Electricity Utilities for a Prudent Fit-For-Purpose Balanced Just Energy Transition" This panel session will explore the critical role of artificial intelligence and smart technologies in reshaping South Africa's energy landscape. The panel aims to inspire dialogue and collaboration among stakeholders to pave the way for a balanced and just energy future in South Africa.	60	Facilitator: Professor Vally Padayachee, AMEU Strategic Advisor Silas Zimu, Adviser to the Minister of Electricity and Energy and former Eskom and former City Power Jhb Prof Prathaban Moodley, General Manager, SANEDI formerly Research Manager, Eskom Malcolm Van Harte, Acting General Manager (Strategy & New Business development), Eskom Dx Sy Gourrah, Divisional CEO, Actom and former AMEU President and former Head Electricity, BCMM Josh Dippenaar, Manager Energy Markets, Mulilo Energy and currently PhD (Eng) Student, University of Stellenbosch			
13:00	Lunch and exhibition viewing	1				



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	Session Chair: Rob Ferrier, AMEL	J Presid	lent & BCMM				
Smart grid innovations							
14:00	High Voltage Cable System Testing using AC Resonant Test System	30	Rendani Mutepe Aberdare Cables				
14:30	Data Farming in a Smart Low Voltage Distribution System	30	Noah Fakude City of Tshwane				
15:00	Powering tomorrow: Al-driven transformer maintenance and smart metering for a resilient and just South African energy future	30	Goodness Maziya & Wesley Vorster Actom Smart Technologies				
15:30	Refreshments and exhibition viewing	Refreshments and exhibition viewing					
	Session Chair: Refilwe Mokgosi, AMEU Past	Presid	ent & City of Ekurhuleni				
Collaboration across the energy sector							
16:00	Innovative Business Models for Scalable Smart Metering Implementation in Emerging Markets	30	Maruthi Mallealli Wirepas (Finland & India)				
16:30	The Benefits of using AI in capacity building and skills development in utilities	30	Shamir Newalani & Portia Zulu Eskom Distribution				
17:00	Day Adjournment						
17:15	Cocktail Function Hosted by The Executive Mayor of Buffalo	City IV	lunicipality at the Exhibition Area				
	TUESDAY, 7 OCTOBE	ER 2025					
07:30	Registration and Refreshments						
	INTRODUCTION TO Session Chair: Rob Ferrier, A		resident				
08:00	Women-in-Electricity (WiE) Programme	30	Sheila Cele AMEU WiE Chairperson				
08:30	WiE Panel Discussion Topic: Al as the Catalyst: Driving utility reform through Smart Technologies to meet critical KPIs in billing Efficiency, grid reliability, and customer satisfaction	30	Panellists: Fakazile Nkomiyahlaba, Nelson Mandela Bay Municipality Mmaphuthi Nkwana, GLS Consulting Khanya Dingilizwe, City of Cape Town Happiness Mhlongo, National Transmission Company South Africa Fezeka Mhosho, eThekwini Municipality				
09:00	Equitable Energy Access in Grid Modernization: Frameworks for Justice-Centred Utility Transformation	30	Sindisiwe Shozi & Bhekani Hadebe eThekwini Municipality				
09:30	Refreshments and exhibition viewing						
	Session Chair: Siyabulela, GQWEDE,	AMEU	Deputy President				
	BJETfor electricity u	utilities					
10:00	The critical role of well governed and balanced electricity wheeling in enabling energy security, reliability and industry sustainability.	30	Prof Vally Padayachee & Terry Njuguna AMEU Strategic Advisor & Eskom Dx				
10:30	Exhibition Viewing	30					
11:00	Lessons learned from installing 1MW rooftop PV and how to improve the system.	30	Sy Gourrah Actom				
11:30	SSEG and service connection online app	30	Ismail Jefferies City of Cape Town				

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Closing address from the AMEU President





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	Session Chair: Veer RAMNARIAN, AMEU	EXCO :	and SAIEE PRESIDENT				
Data-driven decision making							
13:00	Machine Learning Model Development for Predictive Maintenance in Industrial Robotics	30	Phathutshedzo Benedict Mathivha University of JHB				
13:30	The critical role of the electricity grid stability renewables to non-renewables "sweet spot ratio" in ensuring the reliability and resilience of the national electricity grid to prevent it from going into total grid collapse and total blackout	30	Prof Vally Padayachee AMEU Strategic Advisor				
14:30	Using AI, digitalization and analytics for improved service delivery and customer relations opportunities in South Africa's wholesale electricity market	30	Dr Mark Bedser & Aumkar Sukhoo Eskom				
15:00	Smart substations for smart grids: pioneering digital protection in Namibia	30	Herman Mare Actom				
15:30	Day Adjournment						
18:00	Gala Dinner Hosted by the Buffalo City Metropolitan Municipality (BCMM)						
	WEDNESDAY, 8 OCTO	BER 20	25				
08:00	Registration and exhibition viewing						
	INTRODUCTION TO Session Chair: Ms Leila Mahomed Weideman,						
	Cost-effective AI and cybersecurity solution	ions in	smart energy systems				
8:30	Mitigating Cybersecurity Threats in Smart Metering Infrastructure Through Standard Security Frameworks	30	Shawn Papi Eskom Research, Testing & Development Business Unit				
9:00	Towards a Self-Aware & Self-Healing Network	30	Willie van Wyk CT Lab				
9:30	Smart Grid Innovations: Real-Time adaptive protection for evolving networks	30	Kobus Wilken George Municipality				
10:00	Future municipal networks	30	Geeven Moodley Digsilent Buyisa				
10:30	The Role of Municipalities in a Liberalised Electricity Sector: Challenges and Opportunities in South Africa's Wholesale Electricity Market	30	Mmaphuthi Nkwana GLS Consulting				
11:00	Refreshments and exhibition viewing						
	Session Chair: Ms Keseree Rajoo, Cha	irperso	n, AMEU Affiliates				
	Service delivery and custo	mer re	lations				
11:30	Reflections on co-designing a solar public lighting pilot in Marikana informal settlement, Cape Town	30	Thandeka Tshabalala City of Cape Town				
12:00	Eskom Distribution Agency Agreement (DAA)	30	Mpumelelo Mnyani Eskom				
12:30	Collaborative Digital Innovation Ecosystems for Just Energy Transition	30	Phatudi Malepe University of the Witwatersrand				
13:00	Lunch						
	Session Chair: Rob Ferrier, A	MEU PI	RESIDENT				
	Convention forum: All del	legates	invited				
14:00	Closing session AMEU best paper award CIGRE best technical paper award Thank you message from the AMEU Affiliates Chair messag Thank you message from the partners Closing address from the AMEU President	ge					