



2026

SCHOOL OF
ENGINEERING
CONFERENCE

PROGRAMME

Theme:
Integrated
Engineering Innovations
for Industrialisation and
Sustainable Infrastructure



22 May, 2026
From 08:00AM



SoE Auditorium

- Innovate
- Create
- Generate

www.mubas.ac.mw



Time	Activity	Responsible Personnel
7:00 - 08:00	Registration	Secretariat
	SESSION 1: OPENING PROGRAMME	Venue: SoE Auditorium
08:00 - 08:15	Invited Guests and Participants take their seats	Director of Ceremonies: Mr Bester Nyang'wa
08:15 - 08:20	Opening Prayer by MUBAS Chaplain	Rev Patrick Mbanga
08:20 - 08:30	Welcome Remarks by Conference Chairperson	Eng. Assoc. Prof. Ignasio Ngoma
08:30 - 08:40	Welcome Remarks by Executive Dean School of Engineering	Eng. Assoc. Prof. Burnet Mkandawire
08:40 - 08:50	Introduction of School of Engineering Journal	Eng Prof Grant Kululanga
08:50 - 10:15	Keynote Speech	Prof Innocent Musonda, University of Johannesburg, South Africa
10:15 - 10:45	Speech by MUBAS Vice-Chancellor	Assoc Prof Nancy Chitera
10:45 - 11:10	Official Opening by the Minister of Energy and Mining and Launch of School Engineering Journal	Hon. Dr. Jean Mathanga, MP
11:10 - 11:30	Group Photograph/Media Interviews	Marketing
11:30 - 12:00	Refreshments	Secretariat

PARALLEL SESSIONS		
	SESSION 2A: Water, Sanitation, Environment, Information Communication Technology, Artificial Intelligence, Health	Venue: SoE Auditorium
	Chair: Dr Timothy Chadza	Rapporteur: Dr James Msonda
Time	Title of Paper	Author / Co-Author
12:00 - 12:20	Increasing Visibility of Oxygen Concentrator Performance Using an Embedded Purity Display	Kelvin Saidi, Elizabeth Nthapala, Mwawi Lungu, Gerry Douglas
12:20 - 12:40	Mapping Groundwater-Dependent Invasive Plant Species in the Lower Shire River Basin, Malawi	John Sichone, Theresa Mkandawire, Geoffrey Chavula
12:40 - 13:00	Development of a Rectenna Circuit for Wireless Energy Harvesting	Borgestein Zibophe, Timothy Chadza, Oliver Dzobo, Innocent Musonda
13:00 - 14: 00	LUNCH BREAK	Secretariat
14:00- 14:20	Integrating Artificial Intelligence (AI) in Municipal Wastewater Treatment using Moving Bed Biofilm Reactor	Mwayi Vanessa Mpoto
14:20 - 14:40	Vulnerability Assessment of Artesian Wells in Malawi: Case Study of Chikwawa District	Chikondi Stoley, Petros Zuzani, Theresa Mkandawire
14:40 - 15:30	Q & A Session	Session Chairperson
	SESSION 2B: Construction, Transport, Energy, Mining and Industry	Venue: Room E223
	Chair: Dr Joshua Chisambi	Rapporteur: Gift Tsokonombwe
Time	Title of Paper	Author / Co-Author
12:00 - 12:20	Towards Development of a Framework for Qualitative Evaluation of Adaptable and Sustainable Building	Peter BK Mbewe, Gedion PAG van Zijl, Grant K Kululanga

12:20 - 12:40	Beyond Materials: Optimising Building Form for Thermal Resilience in Malawi's Urban Settlements	Sambirani Chirwa
12:40 - 13:00	Causes of delay in completing government-funded construction projects: a case of the Blantyre commercial high court	Glyn J T Mphwatiwa
13:00 - 14: 00	LUNCH BREAK	Secretariat
14:00- 14:20	Implication of Informal Land Delivery Systems on Housing Supply in City Peripherals: Case of Low and Middle Income Earners in Airwing, Lilongwe	Clain Kallanje, Rhoda Bakuwa
14:20 - 14:40	Vulnerability Assessment for Railway Bridges in Malawi: A Case Study for Limbe-Nkaya-Chainage KM 201+000 to KM 297+000	Dyson Peter Kamanga, Innocent Kafodya, Grant Kululunga
14:40 - 15:00	Analysis of Slope Stability on Failing Slope: Case Study Mbuta Section, Malawi	Aaron Chima
15:00 - 15:30	Q & A Session	Session Chairperson
	SESSION 3: CLOSING	SoE Auditorium
	Chair: Eng. Assoc. Prof. Ignasio Ngoma	Rapporteur: Dr. Alick Vweza
15:30 - 16:00	Conference Resolutions	Secretariat
16:00 - 16:15	Conference Evaluation and Feedback	Secretariat
16:15 - 16:30	Closing Ceremony by Executive Dean of School of Engineering	Eng. Assoc. Prof. Burnet Mkandawire
	Refreshments	Secretariat
END OF CONFERENCE		

MUBAS ANTHEM

Malawi University of Business and Applied Sciences:

Trailblazing, transformative, dynamic varsity;

Home of knowledge, great sound minds, inclusiveness and research

It is the star that shines with pride, so bright and clear, we are great!

Preferred choice for the leaders, entrepreneurs and scholars;

The beacon of our Nation's pride, of our region's pride and the globe's

It is the rising sun of our society and the world.

We innovate, create, and generate

Refrain

MUBAS – fresh and modern

MUBAS – problem solver

MUBAS – solid fountain of strong integrity

Refrain

MUBAS – fresh and modern

MUBAS – the iconic

MUBAS - solid fountain of strong diversity

Finale

We are great! We're MUBAS! We rise beyond the skies

MUBAS!

HUWA! (how united we are)