

Session Program

16–19 Dec 2024

**12th International Conference of the African Materials
Research Society (AMRS)**

Special Session: Joint US-Africa Materials Initiative (JUAMI)

Wednesday 18 December

11:30

Special Session: Joint US-Africa Materials Initiative (JUAMI): PARALLEL

Session

11:30–11:45

Enhancing Accessibility to Material Characterization Equipment in Africa through JUAMI-Charz Initiative

Speakers

GLORIA MURILA, Dr Matthew Sweers, BRIAN OWINO

11:45–12:00

DEVELOPMENT OF SUPER-ABSORBENT POLYMERS FROM SELECTED PLANT-DERIVED NANOCELLULOSE-GRAFT-POLY(AMMONIUM ACRYLATE-CO-ACRYLIC ACID)

Speaker

Joshua Oyetade

12:00–12:15

A case study for implementing low-cost micro-grid technology in rural Sub-Saharan Africa using earth-abundant energy storage

Speakers

Mr Charles Ofosu, Ms Gloria Maiytha, Ms Ishita Kamboj, Mr Patrick Ndwali Kasereka, Saeed Saeed

12:15–12:30

A Novel Functionalized Nanoporous Filtration System to Remove Rotavirus from Drinking Water

Speakers

Andre Orr, Madeline Garell, Neila Gross

12:30–12:45

EXPLORING THE FUTURE OF ELECTRIC MOBILITY IN ETHIOPIA: MARKET OPPORTUNITIES AND CHALLENGES

Speaker

Meti Desalegn Tadesse

12:45