

Session Program

27–31 May 2024



ICAWMSCS 2024: International Conference and Advanced Workshop on Modelling and Simulation of Complex Systems

Technical session 1

OAU Campus, Ile-Ife, Nigeria, AFRIGIST, Main - Conference Hall
Road 1, O.A.U Campus

Monday 27 May

15:25

Technical session 1: Technical Session 1

Session | Location: OAU Campus, Ile-Ife, Nigeria, AFRIGIST, Main - Conference Hall, Road 1, O.A.U Campus

15:25–15:35

EXISTENCE OF SOLUTION OF IMPULSIVE QUANTUM STOCHASTIC DIFFERENTIAL INCLUSIONS USING NON FIXED POINT APPROACH

Speaker

ABIMBOLA Latifat Adebisi

15:35–15:45

Deep Learning Platform Comparisons & A Predictive Model for Real-Time Offline Application.

Speaker

Timileyin Okoya

15:45–15:55

A Trigonometrically-Fitted Four Step Method for solving Oscillatory Second Order Ordinary Differential Equations

Speaker

Oluwasemire Adegboro

15:55–16:05

Biomechanical Analysis of Hemodynamic Muscular Pressure on the Arterial Blood Vessel: Insights from Computational Modeling

Speaker

Mr Olutosoye Taiwo

16:05–16:15

Temperature oxidation of double combustible reaction and thermal ignition in a concentric cylinder with diverse boundary constraints

Speaker

Dr S. O. Salawu

16:15–16:25

Analog CMOS Circuits for Convex Quadratic Programming

Speakers

Mr Emmanuel Innocent, Mr Emmanuel Egwu, Mr Victor Oluleti

16:25–16:35

Modelling HIV Superinfection with Two Unique Viral Strains

Speaker

Matthew Ayodeji Ogunniran

16:35–16:45

An optimal control intervention for the interrelated dynamics of TB transmission in humans and animals amidst seasonal flux

Speaker

James Akingbade

16:45–16:55

Induced Partial and Mixed synchronization in Chain-Fractance system

Speaker

Mr Joshua Adeyeri

17:05–17:15

Unsteady Flow of Micropolar Nanofluid over a Stratified Stretching Surface with Riga Plate**Speaker**

Dr Peter Adegbite

17:15–17:25

COMBINED EFFECTS OF STEADY VARIABLE VISCOSITY AND THERMAL CONDUCTIVITY ON ELECTRO-OSMOTIC AND MAGNETO-HYDRODYNAMIC FLOWS IN A REACTIVE FLUID**Speaker**

Dr AJILORE JOSHUA

17:25–17:35

Numerical Integration of Nonlinear FitzHugh-Nagumo Partial Differential Equations Using Second Derivative Two-step Hybrid Block Method Coupled with the Compact Difference Schemes**Speaker**

Blessing Akinnukawe

17:35–17:45

Mathematical Modeling of Chemotherapy Effects on Brain Tumour Growth**Speaker**

Mr Jamiu Ibrahim

18:00