



# International Conference and Advanced Workshop on Modelling and Simulation of Complex Systems

## Monday, 27 May 2024

### Technical session 1: Technical Session 1 - AFRIGIST, Main - Conference Hall (15:25 - 18:00)

time	[id] title	presenter
15:25	[31] EXISTENCE OF SOLUTION OF IMPULSIVE QUANTUM STOCHASTIC DIFFERENTIAL INCLUSIONS USING NON FIXED POINT APPROACH	LATIFAT ADEBISI, ABIMBOLA
15:35	[34] Deep Learning Platform Comparisons & A Predictive Model for Real-Time Offline Application.	OKOYA, Timileyin
15:45	[35] A Trigonometrically-Fitted Four Step Method for solving Oscillatory Second Order Ordinary Differential Equations	ADEGBORO, Oluwasemire
15:55	[44] Biomechanical Analysis of Hemodynamic Muscular Pressure on the Arterial Blood Vessel: Insights from Computational Modeling	Mr TAIWO, Olutosoye
16:05	[47] Temperature oxidation of double combustible reaction and thermal ignition in a concentric cylinder with diverse boundary constraints	Dr SALAWU, S. O.
16:15	[71] Analog CMOS Circuits for Convex Quadratic Programming	Mr INNOCENT, Emmanuel Mr EGWU, Emmanuel Mr OLULETI, Victor
16:25	[43] Modelling HIV Superinfection with Two Unique Viral Strains	OGUNNIRAN, Matthew Ayodeji
16:35	[72] An optimal control intervention for the interrelated dynamics of TB transmission in humans and animals amidst seasonal flux	AKINGBADE, James
16:45	[54] Induced Partial and Mixed synchronization in Chain-Fractance system	Mr ADEYERI, Joshua
17:05	[60] Unsteady Flow of Micropolar Nanofluid over a Stratified Stretching Surface with Riga Plate	Dr ADEGBITE, Peter
17:15	[61] COMBINED EFFECTS OF STEADY VARIABLE VISCOSITY AND THERMAL CONDUCTIVITY ON ELECTRO-OSMOTIC AND MAGNETO-HYDRODYNAMIC FLOWS IN A REACTIVE FLUID	Dr JOSHUA, AJILORE
17:25	[63] Numerical Integration of Nonlinear FitzHugh-Nagumo Partial Differential Equations Using Second Derivative Two-step Hybrid Block Method Coupled with the Compact Difference Schemes	AKINNUKAWA, Blessing
17:35	[64] Mathematical Modeling of Chemotherapy Effects on Brain Tumour Growth	Mr IBRAHIM, Jamiu