

ICAWMSCS 2025: International Conference and Advanced Workshop on Modelling and Simulation of Complex Systems

Monday, 21 July 2025

Contributed Talk: Contributed Talk - UI Campus/0-0 - Digital Park (13:05 - 13:50)

time	[id] title	presenter
13:05	[10] APPLICATION OF 3D MODELLING TECHNIQUES FOR THE ERGONOMIC IMPROVEMENT OF A MANUFACTURING ASSEMBLY LINE WORKSTATION	Dr ORIOLOWO, Kolawole Dr MUYIWA, Omotunde
13:20	[44] Development of Plastic Waste Reverse Logistics Facility Location Model	Mrs OKUNADE, Oladunni
13:35	[15] Development of a hybrid solar clothe-drying system using material and system optimization strategies	Dr SERAH OMOLOLA, Yusuf

Contributed Talk - UI Campus/0-0 - Digital Park (15:10 - 16:40)

time	[id] title	presenter
15:10	[2] Parametric sensitivities of gravity and electroosmotic-driven ternary composite nanoparticles past a Riga device with heat gain and convective cooling	SALAWU, Sulyman Olakunle
15:25	[1] Hybrid FEM-RBFNN: A Fusion of Finite Element Method and Radial Basis Function Neural Networks for Solving PDEs	OJO, Ridwan
15:40	[16] Numerical computation of Chemical Reaction, Heat Generation, Thermal Radiation, and Viscous Dissipation Effects on Magnetohydrodynamic (MHD) Convective Flow Through a Porous Medium	Dr AROLOYE, Soluade Joseph
15:55	[26] Finite Element Simulation of Nuclear Blast Waves with Time-Varying Source Energy: Mathematical Modeling, Algorithm, and 3D Visualization	ISAMIL OLUSEGUN, LAWAL
16:10	[50] Thermal and Sensitivity Analysis of MHD Elastico-viscous Hybrid Nanofluid between Two Rotating Disks	Mr KASALI, Kazeem
16:25	[29] Prediction of Sand Production in Vertical Oil Wells Using Selected Machine Learning Models	JOLEDO, Akorede

Tuesday, 22 July 2025

Contributed Talk: Room-1 (Modelling and Applied Maths) - UI Campus/0-0 - Digital Park (10:45 - 11:30)

time	[id] title	presenter
10:45	[28] Modelling the Dynamics and Forecasting of Arable Food Prices in Nigeria: A Comparative ARIMA-GARCH Family Approach	TAIWO, Akintunde
11:00	[18] Discrete Event Simulation Investigation Into The Impact Of Distinct Service Rate Attributes Of Servers In A Multi-Server Queuing System	Ms ALONGE, Ayobami
11:15	[7] IDENTIFICATION OF BRUISED FRUITS USING SMARTPHONE	Mr AJAYI, Biodun

Contributed Talk: Room-1 (Modelling and Applied Maths) - UI Campus/0-0 - Digital Park (12:00 - 13:00)

time	[id] title	presenter
12:00	[42] Relaxed projection and contraction method with golden ratio momentum	ABASS, Hammed
12:15	[47] A Double-Inertial Mixed Extragradient Method for Solving Bilevel Split Variational Inequality Problems and Finite Family of Fixed Points of Demicontractive Mappings	Mrs LAWAL-AKINMADE, Basirat
12:30	[27] Numerical Simulation of a Ground-Coupled Earth-to-Air Heat Exchanger for Greenhouse Cooling in Humid Tropical Climates	ASIRU, Ayorinde Abd-Qudus
12:45	[46] Hierarchical Electricity Demand Forecast Reconciliation with Time Series Filters	Mr OLASUPO, Oyebola

Contributed Talk: Room-1 (Modelling and Applied Maths) - UI Campus/0-0 - Digital Park (14:20 - 15:05)

time	[id] title	presenter
14:20	[35] Modeling Climate Change and Soil Health Impacts on the Production of Exotic Cayenne Peppers in Coastal Region of Nigeria	Dr UDOH, Ndipmong
14:35	[30] Modelling Climate Change Impacts on Phytotoxicity in Petroleum□Hydrocarbon□Contaminated Soils from Illegal Artisanal Refining Activities in Nigeria	ADEKUNLE, Iheoma
14:50	[32] Simulating Impact of Climate Variables and Soil Health Dynamics for Enhanced Production of Bell Pepper Species in Nigeria's Coastal Niger Delta Region	ISAAC, Isaac

Contributed Talk: Contributed talk: Room-1 (Modelling and Applied Maths) - UI Campus/0-0 - Digital Park (15:15 - 16:00)

time	[id] title	presenter
15:15	[17] Advancing Marine Ecosystem Conservation: Object Detection with AUVs and Real-time Algorithms	Mr OKOYA, Timileyin
15:30	[40] Two-Phase Gas Compressibility Factor Correlation for Gas Condensate Reservoirs	Mr OLUWOLE-YOUNG, Taiwo Dr ORISAMIKA, Benjamin
15:45	[34] A NATURAL LANGUAGE PROCESSING ANALYSIS OF SOCIAL MEDIA DISCOURSE ON PERCEPTION AND BARRIERS TO COMPRESSED NATURAL GAS ADOPTION IN NIGERIA	PETER, Peace