

	Monday (Day 1)	Tuesday (Day 2)
9:00 – 9:20	Opening Ceremony <ul style="list-style-type: none"> Opening Address by the Vice Chancellor, FUTA Address by the Organizing Chair Good Will Messages <ul style="list-style-type: none"> TYAN Chair GigaScience Press Director Moderated by FUTA PRO Unit	Moderated by Dr. Tobore Igbe rapporteur Mrs Tolulope Ugwu Oral Presentations IV - Ethical Data Science and Bioinformatics <ol style="list-style-type: none"> Development of an Intelligent Intrusion Detection Model using an Ensemble of Deep Learning paradigms in ethical Data Science – Josephine Mebawondu, Afe Babalola University Ado-Ekiti (Onsite) Occurrence and phenotypic antimicrobial resistance of Escherichia coli isolated from small ruminant processing site in one health concept – Nafisah Sumaila, University for Development Studies, Ghana (Online) Antidiabetic effect of Anisopus mannii in streptozotocin-induced diabetic rats – Fisayo D. Owwoye, Wesley University Ondo, Ondo State, Nigeria (Onsite) Ariane Houetohossou, LABEF/UAC, Benin (Online) Tahi Souand, Laboratory of Biomathematics and Forest Estimations, Faculty of Agronomic Sciences, University of Abomey-Calavi, Benin (Online)
9:20 – 9:50	Session 1: Moderated by Prof. Bolanle Ojokoh, rapporteur Mrs Tolulope Ugwu Keynote Presentation 1: Prof. Olawande Daramola, University of Pretoria, South Africa Title: An Explainable Decision Support Framework for Pandemic Response: A COVID-19 Case study (Online)	Oral Presentations V – AI and HealthCare Analytics Dr Folasade Isinkaye rapporteur Mrs Rianat Oguntuase <ol style="list-style-type: none"> Ayegbusi Florence, First Technical University Ibadan (Onsite) Development of a Machine Learning Model for Early Detection of Colorectal Cancer (CRC) in Nigeria: With focus on First-Degree Relatives (FDR) – Omoyele Odeniyi, Federal University of Technology, Akure, Nigeria (Onsite) Orounla Bissilimou Rachid, Ghana Comparison of machine learning methods for survival analysis of low-dimensional clinical data: Prediction of death factors in rifampicin nonresistant tuberculosis patients in Guinea – (Onsite) Castro Gbêmmèali HOUNME, Centre de Recherche et de Formation en Infectiologie de Guinée (CERFIG) (Online) Tuberculosis Detection system using deep learning techniques – Agboola Grace Temidayo, Afe Babalola University Ado-Ekiti, Nigeria (Onsite)
9:50 – 10:20	Keynote Presentation 2: Dr Laurie Goodman, GigaScience Press, China Title: Open Science in Publishing Provides World Wide Access to Digital Medical Data and AI Analysis (Online)	Oral Presentations VI – Others Dr. Tobore Igbe rapporteur Mrs Tolulope Ugwu <ol style="list-style-type: none"> Felix Aranuwa - Adekunle Ajasin University, Akungba-Akoko (Onsite) Asunogie, Taibat Onome, Edo State University (Onsite) Balogun, Temitayo Elijah, Federal University of Technology, Akure, Nigeria (Onsite) Olateru, Tosin, The Polytechnic, Ibadan (Onsite)
10:20-10.40	Plenary Session 1- AI-driven disease risk and stratification prediction by Prof. Emile Chimusa, NewCastle University, United Kingdom (Online)	
10:40 – 10:50	Coffee Break/ Networking	Coffee Break/Networking
10:50 – 11:30	Session 2: Moderated by Dr Rotimi Samuel, rapporteur Mrs Rianat Oguntuase Workshop 1: Towards effective Contact Tracing: Data Wrangling and Association Rule Mining by Dr William Akinagbe, NewZealand (Online)	Moderated by Prof. Folasade Dahunsi rapporteur Mrs Rianat Oguntuase Evaluators: Prof. Emile Chimusa, Dr. Tobore Igbe, Dr Oluwafemi Sarumi, Dr. Olatunji Omisore, Dr. Arome Gabriel Exhibition Olusola Favour Joy (Onsite) Samuel Taiwo (Onsite) Theresa Funmilayo Otokola (Onsite) Boluwatife Mercy Ogunjirin (Onsite)
11:30 – 11:50	Plenary Session 2: Deep Learning Models for Classification of COVID-19 Severity Levels by Prof. Olatubosun Olabode, Federal University of Technology, Akure (Onsite)	
11:50 – 12:15	Career Advancement Talk: The Pandemic Response Journey: Strides, Setbacks, Solutions by Prof. Bolanle Ojokoh (Onsite)	

12:15 – 12:45	<p>Session 3: Moderated by Dr Olatunji Omisore rapporteur Mrs Iyanu Adegun</p> <p><i>Workshop 2: Multi-Attribute Analysis and Classification of Nigerian COVID-19 data by Dr Sadura Akinrinwa, Federal University of Technology, Akure (Onsite)</i></p>	
12:45 – 13:05	<p>Plenary Session 3: Title: Swarm Intelligence in the Real World: Applications in Data Science by Dr Hasan Aljabbouli, New York University, United States (Online)</p>	
13:05 – 13:45	Lunch/Networking	Lunch/Networking
13:45 – 14:45	<p><i>Workshop 3: Panel Session on AI as a Catalyst for Multidisciplinary Collaboration by TYAN Members and others: Moderated by Hasan Aljabbouli : Panel Members: Rotimi Samuel (GYA), Bolanle Ojokoh, Emile Chimusa, Olatunji Omisore, Uche Chukwuocha, rapporteur Mrs Tolulope Ugwu (Mix)</i></p>	
14:45 – 15:15	<p>Moderated by Prof. Peter Idowu rapporteur Mrs Tolu Adebayo</p> <p>Invited Session:</p> <ol style="list-style-type: none"> 1. <i>Bioinformatics and genome sequencing of African Fungi: challenges and perspectives by Prof. Rosemary Tonjock, Bamenda University, Cameroon (Onsite)</i> 2. <i>Machine Learning on Next-Generation Sequencing based Cancer Data by Dr Waseem Haider COMSATS University Islamabad, Pakistan (Online)</i> 3. <i>Potential for Bioinformatics and AI in Advanced Drug Delivery – Dr Samson Adeyemi South Africa(Online)</i> 	<p>Lecture: Intelligent Traversal through the Information Wilderness: Towards Knowledge Discovery and Decision Making – Prof. Bolanle Ojokoh</p>
15:15 – 15:40	<p>Oral Session I-IoT for Health Care and Data Science for Pandemic Response</p> <p>Moderated Dr Abimbola Afolayan rapporteur Mrs Rianat Oguntuase</p> <ol style="list-style-type: none"> 1. Remote Patient Monitoring System for Home-Based Physiotherapy Using Kinect Sensor – Oluyemi E. ADETOYI, University of Ibadan (Onsite) 2. Design and fabrication of contact tracing device – Dada Joseph, Elizade University, Ilara-Mokin (Onsite) 3. Simulation and Analysis of COVID-19 Data using Mathematical Model (Onsite) 4. News analytics for health feedback - a case of contact tracing – Sola Babalola, Elizade University, Ilara-Mokin (Onsite) 5. Development of Spatio-Temporal Contact Tracing Data Analytics System for Infectious Diseases – Iyanuoluwa Akinwande, Federal University of Technology, Akure, Nigeria (Online) 	
15:40 – 15:50	Coffee Break/Networking	
15:50 – 16:15	<p>Oral Session II – AI and HealthCare Analytics Moderated by Dr Arome Gabriel rapporteur Mrs Iyanu Adegun</p> <ol style="list-style-type: none"> 1. Application of Machine Learning Models for Early Diabetes Detection – Asegunloluwa Babalola, Anchor University, Lagos Ilara-Mokin (Onsite) 2. Ologunagba Grace Feyike, Rufus Giwa Polytechnic, Owo, Nigeria (Online) 3. Mobolaji Tenibiaje, Bamidele Olumilua University of Education, Science and Technology, Ikere-Ekiti, Nigeria (Online) 4. Abimbola Afolayan Helen, Federal University of Technology, Akure, Nigeria 5. Real-time Breast Cancer diagnosis – Sadura Akinrinwa, Federal University of Technology, Akure, Nigeria (Online) 6. A Variational Network for Biomedical images denoising using Bayesian model and Auto-Encoder – Aurelle TCHAGNA, College of Technology, University of Buea, Cameroon (Online) 	
16:15 – 16:35	<p>Oral Presentations III - AI and HealthCare Analytics Moderated by Dr Olatunji Omisore rapporteur Mrs Rianat Oguntuase</p> <ol style="list-style-type: none"> 1. Breast Cancer Classification using Support Vector Machines – Akintola Kolawole Federal University of Technology, Akure, Nigeria (Onsite) 2. Exploring Deep Learning Techniques for Prediction of Lassa Fever Outbreak – ADEGUN, Iyanu Pelumi, Federal University of Technology, Akure, Nigeria (Onsite) 3. Next-Generation Green Communications: Machine Learning in Eco-Friendly Small Cell Networks – Mubarak Mohammed Al Ezzi Ministry of Local Administration, Yemen (Online) 4. Investigating the link between formaldehyde (HCHO) exposure and respiratory diseases in selected Akure markets – Feyi A. Oluwasanmi, Elfes Consultants (Onsite) 	