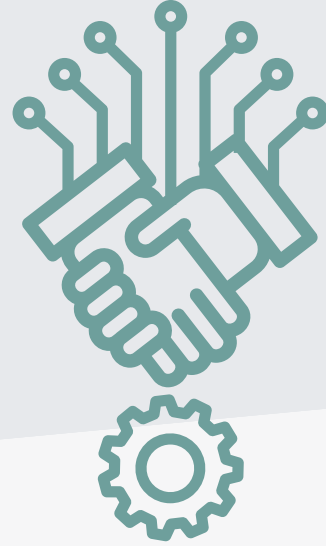


June 17 – 20, 2025

4TH AFRICAN SYMPOSIUM ON BIG DATA, ANALYTICS AND MACHINE INTELLIGENCE, AND 18TH TYAN INTERNATIONAL THEMATIC VIRTUAL WORKSHOP

Data-driven AI for a Sustainable Society and Economy

Venue: Federal University of Technology, Akure (FUTA), Nigeria with provision for virtual participation.



As Africa continues to grapple with pressing challenges, the strategic application of data-driven AI offers a promising avenue to foster sustainable development and economic growth.

The 4th African Symposium on Big Data, Analytics, and Machine Intelligence aims to bring together leading experts, researchers, and practitioners to explore the multifaceted role of data-driven AI in achieving a sustainable future. This symposium will serve as a platform for knowledge sharing, collaborative research, and the development of innovative solutions to address Africa's unique challenges

Aim: To provide a platform to increase knowledge in and foster collaboration in data-driven AI, with a specific focus on its application in addressing global challenges, such as healthcare, pandemics, and sustainability.

The specific objectives are to:

- foster interdisciplinary collaboration among researchers, practitioners and policymakers to accelerate the development and deployment of data-driven AI solutions.;
- showcase cutting-edge research and innovative applications of data-driven AI for sustainable development in Africa;
- identify emerging trends and challenges in data-driven AI for sustainable development in Africa;
- develop actionable recommendations to accelerate adoption and impact of data-driven AI in Africa, particularly focusing on sustainable solutions.

Sub-Themes:

Based on the current global advancements in Big Data, Analytics and Machine Intelligence research and to set the platform to promote multi-disciplinary research, the selected sub-themes for this symposium are as follows:

Data-driven AI for Sustainable Healthcare
Data-driven AI for Sustainable Cities and Resource Management
Data-driven AI for Climate Change Mitigation
Data-driven AI for Security, Financial Technology and Marketing
Data-driven AI for Sustainable Agriculture and Food Security
Addressing other Issues in AI for Sustainable Development

Keynote: Prof. Ingmar Weber, AVH Professor for AI,
Interdisciplinary Institute for Societal Computing (I2SC),
Saarland University, Germany

Keynote: KC (Casey) Santosh, PhD
Professor (AI) and Chair, Department of Computer Science
Founding Director, AI Lab
The University of South Dakota (USA)

Speakers:

Prof. Emile Chimusa, Northumbria University, UK / TYAN
Prof. Olatubosun Olabode, Federal University of Technology Akure, Nigeria
Dr. Hasan Aljabbouli, New York University, USA / TYAN
Dr. Oluwarotimi Samuel, University of Derby, UK
Dr. Dombo Tomviezibe, Nigerian Meteorological Agency
Dr. Emmanuel Letouzé, Director, Data-Pop Alliance, USA
Prof. Bolanle Ojokoh, Federal University of Technology Akure, Nigeria / TYAN

Important Dates:

20th March, 2025 – Call for application opens
1st May, 2025 – Call for application closes
17th May, 2025 – Notification of Acceptance

Sponsorship:

Attendance support will be provided to few outstanding applicants.

Partners:

ACTRG, Information Systems
Department, FUTA
GigaScience Press
TYAN
Nigeria-Science Leadership Programme
(N-SLP)