

SPONSORS:



VizAfrica 2024 Conference Program: 5-7, February 2024

The theme of the conference is **“Data stewardship and use for scientific and socio-economic development.”**

Venue: Africa Institute for Capacity Development (AICAD)- JKUAT, Juja main campus

DAY 1:			
5/02/2024	TIME	Activity/Topic	Leader/Speaker
	8:00-8:30	Registration	Joan Githua, Doris Thimba and Joan Ajiambo
		Master of Ceremony	Dr John Kinyuru , Deputy CEO AICAD
	8.30-8.45	Introduction/Conference Objectives	Prof Muliaro Wafula , Chair VizAfrica Org Committee, Lead Scientist AOSP EA Node & Professor JKUAT
	8.45-9.00	Welcome Remarks	Prof Dominic Byarugaba , Chief Executive Officer, Africa Institute for Capacity Development (AICAD)
	9.00-9.30	Use of Artificial Intelligence (AI) in data analytics and visualization	Mr Joel Onditi , President Pathways International
	9.30-10.00	Using Artificial Intelligence to Inform Population Health in Africa	Dr Agnes Kiragga , Head of the Data Science Program APHRC Kenya
	10.00-10.30	Photo Session/Tea Break	
	10.30-11.00	Patents as a tool for Open Science for African Start-Ups	Mr Alex Musyoki , Advocate Nairobi
	11.00-11.30	Open Science Policy for Development in Africa	Dr Tshiamo Motshegwa , Director AOSP
	11.30-12.00	GOSC Collaboration with AOSP: What is the expectation?	Prof Jianhui Li , Director of CSTCloud Dept., CNIC, CAS
	12.00-13.00	Panelists: Dr Agnes Kiragga, Mr Alex Musyoki, Dr Tshiamo Motshegwa, Prof Jianhui Li and Mr Joel Onditi	Chair: Prof Muliaro Wafula , Chair VizAfrica Org Committee, Lead Scientist AOSP EA Node & Professor JKUAT
	13.00-14.00	Lunch Break	
	14.00-14.30	AOSP EA Node Open Science Strategy for Africa	Prof Muliaro Wafula , Chair VizAfrica Org Committee, Lead Scientist AOSP EA Node & Professor JKUAT
	14.30-15.30	Official Opening Ceremony Speech	Chief Guest Dr Abraham Korir - PS Ministry of Foreign and Diaspora Affairs, Kenya
	15.30-16.00	GOSC IPO & AICAD MoU Signing Ceremony	Dr John Kinyuru , Deputy CEO AICAD

PARTNERS:



SPONSORS:



	16.00-16.15	Photo Session	Dr John Kinyuru , Deputy CEO AICAD
	16.15-16.30	Exhibition Tour by Chief Guest	Dr Agnes Mindila , Director SCIT-JKUAT
	16.30-17.00	Tea Break and Networking	
	END OF DAY 1		
DAY 2: 6/02/2024	TIME	Activity/Topic	Leader/Speaker
	8:00-8:30	Registration	Doris Thimba and Joan Ajiambo
		Master of Ceremony	Prof Muliaro Wafula , Chair VizAfrica Org Committee, Lead Scientist AOSP EA Node & Professor JKUAT
	8.30-8.50	Data for value creation in Agriculture: Case for JHUB Africa	Dr John Kinyuru , Deputy CEO AICAD & Food Science Expert
	8..50-9.10	Application of data and Artificial Intelligence (AI) in Agriculture in Africa	Dr Boniface Akuku , World Bank
	9.10-9.30	Visualization of Land Allocation Data: Case study of Botswana	Dr Poloko Mogami and Dr Audrey Masizana - Computer Science Dept., University of Botswana
	9.30-9.50	Visualizing Agricultural Data: Inherent Challenges	Dr Isaac Oteyo and Prof Stephen Kimani , Dept of Computing- JKUAT
	9.50-10.40	Panelists: <i>Dr John Kinyuru</i> -AICAD, <i>Dr Boniface Akuku</i> -World Bank, <i>Dr Poloko Mogami</i> – University of Botswana, <i>Dr Jacqueline Wang’ombe</i> - Digital Green, <i>Ms Pricilla Muiruru</i> -MOALD, <i>Mr. Salim Kinyimu</i> -ICT Director KALRO, and <i>Dr Lucy Karanja</i> - CABI	Chair: Ms Irene Kimani , ICT Specialist and Data Manager - KALRO
	10.40-11.00	Tea Break	
	11.00-11.20	Construction of digital twins for sustainable development in coastal areas	Prof Taro Arikawa , Chuo University -Japan
	11.20-11.40	Image Segmentation of Irregular Overlapping Particles in XRT Images: Exploration of Classical Techniques	Dr Tsholofetso Taukobong , University of Botswana
	11.40-12.00	The DataLawCompanion (DLC) as a Beacon for Humanizing Data Protection Laws in the Region	Dr Lawrence Nderu , Chair Computing Dept. - JKUAT
	12,00-13.00	Panelists: Prof Taro Arikawa, Dr Tsholofetso Taukobong, and Dr	Chair: Prof Anthony Rodrigues , Jaramogi Oginga Odinga University of Science and

PARTNERS:



SPONSORS:



		Lawrence Nderu	Technology
	13.00-14.00	Lunch Break	
	14.00-14.20	Meta data modelling for spatial data infrastructure: Sustainable development in the lake Victoria basin	Prof Anthony Rodrigues , Jaramogi Oginga Odinga University of Science and Technology
	14.20-14.45	Visualization for Data Matching in Educational Data Mining	Dr Audrey Masizana and George Anderson - University of Botswana
	14.45-15.05	Open Science in the US: A US National Committee for CODATA Perspective"	Ms Bonnie C Carroll , Chair CODATA National Committee -USA
	15.05-16.00	Panelists: Prof Anthony Rodrigues, Dr Audrey Masizana and Ms Bonnie Carroll	Chair: Prof JIM Todd , Senior Technical Advisor to the TAZAMA projects in Mwanza.
	16.00-16.30	Tea Break	
	16.30-17.30	EXHIBITION	
	END OF DAY 2		
DAY 3:			
7/02/2024	TIME	Activity/Topic	Leader/Speaker
	8:00-8:30	Registration	Doris Thimba and Joan Ajiambo
		Master of Ceremony	Dr Agnes Mindila , Director School of Computing and Information Technology- JKUAT
	8.30-9.00	Deployment of Platforms for Harmonizing Mental Health Data in Africa	Prof Jim Todd , Senior Technical Advisor to the TAZAMA projects in Mwanza.
	9.00-9.30	AI-driven innovations in health commodity quantification in Kenya	Mr. Danielson Kennedy Onyango , Senior Advisor- inSupply Health
	9.30 -10.00	KeNVIP solution towards improved data quality and immunization coverage in Kenya	Dr Collins Tabu , Health Specialist UNICEF Kenya
	10.00-10.30	Panelists: Prof Jim Todd, Mr. Danielson Kennedy Onyango and Dr Collins Tabu	Mr Alex Musyoki , Advocate -Nairobi
	10.30-11.00	Tea Break	
	11.00-11.30	The status of PID and DOIs and how to improve it in Africa	Ms. Joy Owango , Executive Director Training Centre in Communication
	11.30-12.00	De-carbonization of urban roads and streets and use of open data to establish smart cities	Eng Paul Mabonga , CEO Sentimental Energy Company Ltd
	12.00-13.00	Panelists: Ms. Joy Owango and Eng Paul Mabonga	Chair: Dr Agnes Mindila , Director School of Computing & Information Technology- JKUAT

PARTNERS:





	13.00-14.00	Lunch Break	
	14.00-14.20	Predictive Modelling in Python: A Comparative Analysis of Linear Regression and Random Forest Models for Forecasting change in Stock Prices	Simon Mniko and Prof Waweru Mwangi , Computing Dept -JKUAT
	14.20-14.40	The Application of Artificial Intelligence in Healthcare Service Delivery in Botswana	Dr. Joseph Ephraim Khengere , University of Botswana
	14.40-15.00	Plenary -Summary Reports	Dr John Kinyuru , Deputy CEO AICAD
	15.00-16.00	Closing Ceremony	Dr Audrey Masizana , Co-Chair VizAfrica Org. Committee and Senior Lecturer Computing Dept. University of Botswana.
	16.00-16.30	Tea break	
	16.30-17.30	EXHIBITION	
	END OF DAY 3	END OF CONFERENCE	

