



Ministry of Information,  
Communication and  
Information Technology



# EVENT PROGRAMME DAY TWO

THURSDAY  
27th OCTOBER 2022

LEVERAGING  
DIGITAL  
TRANSFORMATION  
IN THE BLUE  
ECONOMY FOR  
SOCIAL-ECONOMIC  
DEVELOPMENT

6<sup>th</sup> TAIK  
2022  
26-28  
OCT  
ZANZIBAR



DAY THURSDAY  
02 27<sup>TH</sup> OCTOBER 2022

SUB THEME:  
DIGITAL PLATFORMS



SESSION 8:

## THE INTERNET AND TELECOMMUNICATION SERVICES

TIME

ACTIVITY

RESPONSIBLE/MODERATOR

07:00hrs – 08:30hrs

ARRIVALS AND BREAKFAST

08:30hrs – 10:00hrs

**Topic**  
Zanzibar International Gateway

**PRESENTER**

Shammy Hendricks, African Network Operators

09:00 – 10:30hrs

### CHALLENGES OF PROVIDING TELECOMMUNICATION SERVICES

The session discusses on how everyone in Tanzania will access, improve, and use quality digital communications services as well as to create new products and services.

- *Development of medium and last-mile electronic communications network infrastructure*
- *Promoting Digital Infrastructure Sharing for Return on Investment*
- *Access to Digital Communications Services and Infrastructure*
- *Promoting Secure Deployment of IPv6*
- *Deployment of 5G*

**MODERATOR**

Mr. Joseph Manirakiza

**PANELISTS/PRESENTERS**

1. TISPA
2. Mr. Nguvu Kamando-Vodacom
3. Dr. Jabir Bakari-TCRA
4. Mr. Denny Marandure - Liquid Intelligent Technologies
5. Huawei Technologies
6. Nazar Nicholas, President-ISOC Tanzania



SESSION 9:

## ACADEMIC PAPER PRESENTATION (BREAK OUT SESSION)

Track/Session 1: Technology enabled health care and agriculture (m-health, e-agriculture)

Session Chair: **Dr. Alex Mongi**

TIME

PAPER TITLE

0900-0915

A Robust Random Forest Prediction Model For Mother-To-Child HIV Transmission Based On Individual Medical History by Rebecca B Chaula and Godfrey N Justo, UDSM

TIME

PAPER TITLE

0915-0930

Tanzania's Technology-Enabled Agriculture via Agricultural Marketing Co-operative Societies: Towards Competitive Economic Growth by Alex Julius Ngowi and Frank Mlangalanga, MoCU

0930-0945

IoT-Based Smart Fishing Gear to Sustain the Tanzania Blue Economy by Abdi T. Abdalla, Nyazara Haji, Baraka Maiseli, Kwame Ibwe, UDSM

## Track/Session 2: Emerging and future technologies (AI, Big Data, Cloud Computing, IoT, Block chain)

**Session Chair:** Dr. Alcardo Alex Barakabitze

1000-1015

On Blockchain Performance Enhancement: A Systematic Map of Applied Strategies by Anthony Kigombola, Mercy Mbise and Prosper Mafole, UDSM

1015-1030

Emerging Assumptions and the Future of Artificial Intelligence in Teaching and Learning Processes in Higher Learning Institutions in Sub-Saharan Africa: A Review of Literature by Kardo Mwilongo (Mzumbe University), Rhodes Mwageni (KCMC) and George Matto (MoCU)

1030-1045

Big Data Performance In Improving Decision Making Capability Of Zanzibar Social Security Funds (ZSSF) by Lafhat M. Suleima and Booma P. Marakannan, School of Science and Computing, APU Malaysia

1045-1100

Isolation of DDoS Attacks and Flash Events in Internet Traffic Using Deep Learning Techniques by Calr E. Mihanjo and Alex F. Mongi, (UDOM)

## Track/Session 3: Information and Communication Technology for Development (ICT4D)

**Session Chair:** Dr. Abdi Abdalla

1115-1130

Television White Space Based Broadband Network's Coverage and CAPEX Performance for Rural Areas Connectivity in Tanzania by Moses Ismail, UDSM

1130-1145

The Use of Online Social Media Platforms by Tanzania Journalists to Produce and Disseminate Development News, UDSM

1145-1200

Investigating the Support for Agility in Developing Government Software Systems: A Case of Three East African Countries by Leonard Peter Binamungu, and Masoud H. Mahundi, UDSM

1200-1215

Proposed Literature based Knowledge sharing framework for Natural Language Processing conversational agents by Pamela J Chogo 1 , Dina Machuve1 , Neema Kassim2 , Elizabeth Mkoba, NM-AIST

TIME

ACTIVITY

RESPONSIBLE/MODERATOR



## SESSION 10: DIGITAL TRANSFORMATION OF PUBLIC SERVICES

10:30 – 11:30hrs

### PRESENTERS

1. Benedict Ndomba, Director General, e-Government Authority

#### Title:

Support of Public Administration Technologies

2. SOFTNET Technologies Ltd

#### Title:

Reliable Identification in Digital Transformation

#### Panel discussion:

1. Paula Hunter, Executive Director, Mojaloop Foundation
2. Benedict Ndomba, Director General, e-Government Authority
3. SoftNet Technologies Ltd
4. ICT Commission

### MODERATOR

Prof. Faustine Kamuzora

10:30hrs – 11:00hrs

**Topic:** Digitization of the investigation and prosecution process

Kedi Välba - Regional Manager for Africa & Middle East at Aktors, Estonia



## SESSION 11: INNOVATIVE, EFFICIENT, FAST, AND SEAMLESS PAYMENT INFRASTRUCTURE

11:00 – 12:30hrs

Currently, there is a number of payment system that handles transactions. Some of them are GePG, TIPS, and others. Real-time payment offers significant savings in terms of resources and time for the payer to prepare and make accurate payments with payment details and identifiers required by the institution. However, it is necessary to reduce expenses related to commission fees for transactions involving payment cards. This session will discuss how to:

- Identify services in the public administration that requires instant payments to ensure rapid and modern services.
- Connect the payment gateway systems of the Bank of Tanzania to facilitate instant payment services.
- Promote the use of e-payment systems to facilitate transactions.
- Formulate digital trade rules that accelerate building digital trade platforms that address cross-border digital payment challenges and support trade in compliance with the existing foreign exchange laws and regulations.

### MODERATOR

Mr. Sosthenes Kewe

### PRESENTERS

1. Basil S. Baligumya, GePG, Ministry of Finance and Planning
2. Dr. Willy Mung'ong'ose, TIPS, Bank of Tanzania

### PANEL DISCUSSION

1. Paula Hunter, Executive Director, Mojaloop Foundation
2. Basil S. Baligumya, GePG, Ministry of Finance and Planning
3. Dr. Willy Mung'ong'ose, TIPS, Bank of Tanzania

TIME

ACTIVITY

RESPONSIBLE/MODERATOR

13:00hrs – 14:00hrs

LUNCH BREAK



## SESSION 12: DATA INTEROPERABILITY IN DIGITAL HEALTH

14:00 – 14:30hrs

### This session will discuss how to:

- ensure secondary use of medical data for research, and build capacity for data management for people in e-health electronic health cards.
- Develop telemedicine solutions by providing a unified and secure platform for the exchange of views between professionals in reintegrate commercial information systems with e-health systems used in health care institutions.
- Provide medical institutions (including visual diagnostics, laboratories, and pharmaceutical institutions) access to information on patients that is available in the e-health system's electronic health record on a one-off basis.
- Use of common data classifications in the health sector should be defined in order to promote different interoperability of existing databases in the industry.
- Ensure international integration of e-Health systems.
- Develop a legal framework that establishes a cooperative model for the mutual exchange of medical data between commercial and public information systems, determine the electronic health records of patients to be stored in medical records with a reasonable transition period from paper to paper electronic systems, mote consultation.

### PRESENTER

Dr.Seif Rashid, Data Use Partnership (DUP)PATH, Project Director



## SESSION 13: LAUNCHING OF PROJECTS

14:00 – 14:30hrs

The Tanzania and European Union ICT4D project.

EU/ESTONIA/DG ICTC

15:00 – 15:15hrs

Launching of Power Learn Project in Tanzania: To train 50,000 coders from rural areas in Tanzania

PLP/ICT Commission

TIME

ACTIVITY

RESPONSIBLE/MODERATOR



## SESSION 14: PROMOTION OF TANZANIA AS AN ICT HUB FOR ICT START-UPS

15:15 – 15:45hrs

**Creating Transformative Youth Digital Spaces** Insights from the Tanzania Youth Digital Summit 2022

DG -ICTC and DOT Country Director

15:45 – 17:30hrs

This session will discuss how to build the ICT ecosystem of Tanzania so that it will be center of ICT innovation and entrepreneurship in Africa. The session will further discuss how to promote startups so that they will scale to the level that they will cross borders and compete globally

### PRESENTERS

1. Mr. Daniel Yu, CEO- WASOKO

### Topic:

Reinventing Tech Talent Policies for African Startups

2. SNMB Bank –TechHub Environment for Youth to test, deploy, and partner with the Bank

### PANEL:

1. Dr. Jabir Bakari, Director General – TCRA
2. Dr Nkundwe Moses Mwasaga, Director General – ICT Commission
3. Mr. Daniel Yu, CEO- WASOKO Representative of NMB Bank –TechHub
4. Ado Lõhmus – Estonia ICT Cluster
5. Mr. Philippe Baudrier General Manager Konnect Africa at EUTELSAT

END OF DAY TWO