



INFRASTRUCTURE COMMUNICATION TECHNOLOGY

Innovate | Connect | Transform

25th – 26th September, 2017
Villa Rosa Kempinski Nairobi - Kenya

INFRASTRUCTURE COMMUNICATION TECHNOLOGY

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Mr. George Ombua
Chief Officer - ICT
Nairobi City County, Kenya

Ms. Jacqueline Otworu
Director - Business Process Re-engineering
Huduma Kenya Secretariat

Eng. John Tanui
Chief Executive Officer
Konza Technopolis Development Authority (KoTDA), Kenya

Dr. CPEng Fernando Wangila
Senior Deputy Director (Head of ICT)
National Transport & Safety Authority (NTSA), Kenya

Mr. Peter Kithuku
Head of ICT
Ministry of Agriculture, Livestock & Fisheries, Kenya

Mr. Amos Mulievi
Head of ICT
Agriculture & Food Authority (AFA), Kenya

Mr. Boniface Akuku
Director of Information and Communication Technology (ICT)
Kenya Agricultural & Livestock Research Org. (KALRO)

Prof. Muliari J Wafula
Director
Jomo Kenyatta University of Agriculture & Technology, Kenya

Mr. Kiringai Kamau
Chain Analyst & Knowledge Specialist
VACID Africa, Kenya

Mr. Pius Aggrey Omondi
Chief Executive Officer
Ugunja Community Resource Centre (UCRC)

Dr. Amit N. Thakker
Chairman of the Board
Africa Healthcare Federation, Kenya

Mr. Regis Rwirangira
e-HEALTH Regulator
Ministry of Health, Rwanda

Dr. Torooti Mwirigi
Project Director
CarePay Limited

Eng. Peter M. Kahiro,
Lead Systems Engineer (IFMIS Department)
National Treasury, Kenya

Dr. Tim Kelly
Lead ICT Policy Specialist
World Bank

Dr. Julius M. Muia
Director General
Kenya Vision 2030 Delivery Secretariat

Mr. Christopher Kemei
Director - Licensing, Compliance & Standards
Communications Authority, Kenya

Mr. Antony Mugambi
Project Manager NOFBI
ICT Authority, Kenya

Mr. Edward Gaitho
Head of ICT
New Partnership for Africa's Development (NEPAD), Kenya

Mr. Alban Odhiambo
Director ICT
TradeMark East Africa (TMEA), Kenya

Mr. Otieno Antony
Chapter Secretary of Internet Society (Kenya Chapter)
Internet Society (ISOC) Kenya Chapter

Prof. Gituro Wainaina
Professor
University of Nairobi, Kenya

Mr. Peterson Kabugi
Senior ICT officer
Kenya National Examinations Council

Mr. Vincent K. Koech,
ICT Systems Administrator
Kenya Education Management Institute (KEMI)

Mr. Abdalla Omari
Chief Executive Officer
Kenya Network Information Center (KeNIC)

Mr. Bob Ochieng
Manager, Stakeholder Engagement - Africa
Internet Corporation for Assigned Names & Numbers (ICANN)

Mr. Collins Oduor
IT Security Manager-iLabAfrica
Strathmore University

Mr. Martin Kinyua
Capacity Building Advisor
PATH

Ms. Nduta G. Karanja
Founder & Director- Programmes and Partnerships
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Senior Representative
Hewlett Packard Enterprise

Senior Partner
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Day 1 - 25th September, 2017

08:00 Registration

08:30 Opening and Welcome remarks from Chairperson

09:00 Kenya Vision 2030 and the role of ICT

- Under Vision 2030, ICT will be a major contributor to attaining the target of a 10 percent GDP growth rate
- Role of government as an enabler and regulator
- Better connectivity in information age

Dr. Julius M. Muia, Director General

Kenya Vision 2030 Delivery Secretariat

09:20 National Optic Fibre Backbone (NOFBI) – An ICT Authority Initiative

- Project to cover all 47 County Headquarters
- Will provide Last Mile Fibre Connectivity to County Headquarters
- 1,200km out of the 1,600km civil works are completed
- 900km of fibre has been laid in the backbone section
- Metropolitan fibre civil works has been completed in 35 of 47 counties

Mr. Antony Mugambi, Project Manager NOFBI

ICT Authority

09:40 Digitization of Government Procedures

- Civil Registration Department (CRD) Digitisation
- Digitisation of the Company Registry
- Digitisation of the High Court Registry
- Kenya News Agency (KNA) Digitisation Project

10:00 Spectrum Demand Gap Solution Through Optical Wireless Communications

- Addressing the problem of radio-frequency (RF) spectrum exhaustion
- Potential offered by optical wireless communications
- Performance analysis of optical wireless communication systems

10:30 Morning refreshments and networking break

11:00 African Development Bank – ICT Initiatives

- Connect Africa Initiative
- International Fibre Connectivity
- East Africa Broadband Network (EABN)
- ECOWAS Power Pool-based Fibre Network
- African Union Commission ICT Harmonization Framework

11:20 Intelligent Transport Systems (ITS) and ICT

- Effective Video Surveillance on checkpoints providing enhanced security
- Real Time Information on traffic analysis
- Usage of GIS for efficient traffic navigation
- Traffic control and optimization - Emergency Road Communication Solutions

Prof. Gituro Wainaina, Professor

University of Nairobi, Kenya

11:40 Removing Barriers of Time and Distance – ICT in the age of fibre optics

- Usage of Fibre Optics in developing ICT in Africa
- Design, Implementation and Maintenance
- Multimode Optical Fibre
- Fibre Optic Cabling and Transmission Systems

12:00 Big Data Platform Design and Implementation Model

- Software Architecture
- Open Source Techniques in Big Data Platform
- Challenges in Big Data Platform

Mr. Peterson Kabugi, Senior ICT officer

Kenya National Examinations Council

Day 1 - 25th September, 2017

12:20 Affordable and durable usage of ICT in Education Sector

- Digital Learning Resources and Affordable Technology
- Smart Campus Solution for Education
- Education Management Information Systems (EMIS)
- National Research and Education Networks (NRENs)
- Low-cost Computers in Rural Primary Schools: Evaluating the Impact

Mr. Vincent K. Koech, *ICT Systems Administrator*
Kenya Education Management Institute (KEMI)

12:40 A strong ICT industry for a strong economy

- Forging global partnerships for business
- Easy communication and document management
- More potential for local business owners to expand horizons

Mr. Otieno Antony, *Chapter Secretary of Internet Society (Kenya Chapter)*
Internet Society (ISOC) Kenya Chapter

13:00 Networking Lunch

14:00 Data-driven development - To benefit East Africa

- Unlocking value from data
- Risks and rewards of Big Data

Dr. Tim Kelly, *Lead ICT Policy Specialist*
World Bank

14:20 Internet of Things and Ambient Intelligence - Smart Working Environment

Eng. Peter M. Kahiro, *Lead Systems Engineer*
IFMIS Department-National Treasury, Kenya

14:40 Internet of Things & the DNS

- Internet Critical Identifiers
- IPV6 adoption

Mr. Bob Ochieng, *Manager, Stakeholder Engagement - Africa*
Internet Corporation for Assigned Names and Numbers (ICANN)

15:00 Refreshments and networking break

15:30 Enhancing Cross Border Trade Data Flows as a Means of Facilitating Trade

- Regional Experience on Cross Border Trade Data Flows Relying on Information Technology
- The Building Blocks of Realising a True Cross Border Trade Data flow
- Challenges and Opportunities
- Future of Trade

Mr. Alban Odhiambo, *Director ICT*
TradeMark East Africa (TMEA), Kenya

15:50 Role of NEPAD in financing infrastructure projects

- Developing smart partnerships in co-financing to leverage existing resources and capacities
- Facilitating an enabling environment for private sector financing of infrastructure projects
- De-risking of complex cross-border infrastructure projects to make them attractive to financiers and targeted Technical Assistance (TA) support to recipients/beneficiaries to accelerate project delivery

Mr. Edward Gaitho, *Head of ICT*
New Partnership for Africa's Development (NEPAD), Kenya

16:10 Integrated Digital Payments - A Lightweight Mobile Banking Solution Easily Integrable with Existing Banking System

- Greater synergy between mobile health and mobile financial services
- RFID / NFC based ticketing for transport solutions
- e-Banking for better E-Commerce functionality

16:30 e-Government - Public Sector Modernisation: Open(ing) Governments, Open(ing) minds

- Better access to government for people and vice – versa
- Direct communication and feedback management
- Cutting down delays in paperwork and access to right contact

16:50 The need for ICT induced Organizational Transformation among the Public-Sector Banks in Africa

- E-transformation towards organizational change and sophistication
- Efficient banking operations with better connectivity and seamless communication
- Secure transactions with enhanced security measures
- Improvement in productivity and data management

17:10 Closing Remarks and End of Day 1

Day 2- 26th September, 2017

08:00 Registration

08:30 Opening and Welcome remarks from Chairperson

09:00 Building the Smart city

- Integration of Infrastructure services, Citizen services, City services and Business services

Mr. George Ombua, Chief Officer - ICT

Nairobi City County, Kenya

09:20 Smart Cities - Leveraging on ICT for new operational transition in city management

- Enhanced service delivery quality with improvised communication
- Social Media integrations driving better and quick response between consumer and service provider
- Innovative idea exchange to develop and sustain healthy competitive environment
- Enhanced mobility serving at your door-step

Eng. John Tanui, Chief Executive Officer

Konza Technopolis Development Authority (KoTDA), Kenya

09:40 Big data: The next frontier for innovation and productivity

Dr. CPEng Fernando Wangila, Senior Deputy Director (Head of ICT)

National Transport and Safety Authority (NTSA), Kenya

10:00 Open Data as an enabler for Smart Cities and Transport in Africa

- Open Data spurring ICT innovations in transport sector
- Open Data for creation of sustainable smart cities

Prof. Muliaro J Wafula, Director

Jomo Kenyatta University of Agriculture and Technology, Kenya

10:30 Morning refreshments and networking break

11:00 Embracing ICT In Agricultural Sector

- E-subsidy Information Management System
- Crop Insurance Information Management System

Mr. Peter Kithuku, Head of ICT

Ministry of Agriculture, Livestock & Fisheries, Kenya

11:20 Internet of Things (IoT) Emerging Technologies: Design and Security

- Innovation designed by technological enhancement
- Cutting-edge commercial security solutions such as intelligent video analytics
- Fraud prevention, risk management and saving money in tax administration

Mr. Amos Mulievi, Head of ICT

Agriculture and Food Authority (AFA), Kenya

11:40 Harnessing Data evolution and ICT breakthroughs in Agricultural research

- Role of Knowledge Management Frameworks
- Role of ICT in addressing emerging issues in agriculture (e.g Climate Change, pests and diseases, etc)
- Big Data solutions for development in agricultural research
- Knowledge sharing and technological innovations in Agricultural research domain

Mr. Boniface Akuku, Director of Information and Communication Technology (ICT)

Kenya Agricultural & Livestock Research Organization (KALRO)

12:00 Sustainable Smallholder Farmer Owned Agriculture -Youth Driven Knowledge Infrastructure

- Farmers becoming anchors of agriculture and agribusiness
- Emergence of the Agriculture, Technology and Extension (aTex) Hub infrastructure
- Farmer support initiatives to harness data for knowledge processing
- Value chain agribusiness development: youth and women to support agripreneurial wealth creation
- Promoting infra-Africa Trade through Agriculture

Mr. Kiringai Kamau, Chain Analyst & Knowledge Specialist

VACID Africa, Kenya

Day 2- 26th September, 2017

12:20 Use of Drones in ICT to leverage on technology

- Sectors covered -Agriculture, Health, Land Survey and Mapping

Mr. Pius Aggrey Omondi, *Chief Executive Officer*

Ugunja Community Resource Centre (UCRC), Kenya

12:40 Reducing ICT Carbon Footprint

- Carbon reductions through improved efficiencies, lower use of resources and behaviour changes
- Opportunity to move towards a low carbon economy through cheaper and faster ICT
- ICT has the potential to enable a 20% reduction in global carbon emissions by 2030

13:00 Networking Lunch

14:00 Sustainable environments: an age-friendly approach in a smart city

- ICT to address the challenges caused by ageing and urbanization
- Solutions as self-operated systems for remote areas
- Eco-friendly approach with e-learning prospects for stay-at-home senior citizens

14:30 Cloud Based NFC Mobile Payments – Security Risks and Protection Measures

- Digital wallets and Contactless Payment Communication Technologies
- User and device authentication with data protection
- Alleviating threats and fraud protection
- Ensuring safety and reliability

15:00 Refreshments and networking break

15:30 Security in Smart Metering – Smart Grid

- Economic incentives to invest in cyber security of ICT for Smart Grids
- Grid Communications and Networking
- Automated IP-Based Metering, Billing and Energy Management Solution

15:50 Electronic Medical Record system projects in Africa

- Various challenges imposed and recommendations

Mr. Regis Rwirangira, *e-HEALTH Regulator,*

Ministry of Health, Rwanda

16:10 ICT in Healthcare – A boon of technology

- The Food and Drug Administration (FDA) has used data analytics to assess patterns in outbreaks of foodborne illness.
- Veterans Health Administration (VHA) has begun using health-tracking wristbands to monitor the conditions of veterans under their care.
- Hospital Record Management – Making diagnosis easy and collaborative information sharing between doctors and patients
- Report Management – Keeping track of the health records

Dr. Amit N. Thakker, *Chairman of the Board*

Africa Healthcare Federation, Kenya

16:30 Telecommunication – ICT changing the dynamics in a revolutionary manner

- Challenges of regulating communication and removing barriers at the same time
- Regional integration and global coverage
- Voice over IP and other revenue threats to service providers
- Better network means better connectivity and growth is linked directly

16:50 E-Commerce and ICT – A revolution in business world

- ICT revolution providing opportunities to entrepreneurs
- Global customer reach in B2B and B2C sector
- Payment gateways making transactions easy

17:10 Closing Remarks and End of Day 2

More about Bricsa Consulting

Bricsa Consulting is involved in hosting industry specific conferences and currently one of our focus areas is Transportation, which is one of the key priorities in terms of Infrastructure development.

We have the ability to bring industry leaders across various geographical markets successfully on a common platform to discuss various business possibilities. We have successfully executed conferences in Malaysia, South Africa, India, Saudi Arabia, Kenya and we are exploring some of the upcoming emerging markets like Nigeria, Ghana, Kenya, Tanzania, UAE, Qatar, Oman, Myanmar and Vietnam among others.

Our conferences are extensively researched and all efforts are put forward to highlight current projects in the respective regions. The audience is a mix of Ministries, Government Agencies, Development Banks, Financial Institutes, Infrastructure and Construction Companies, Consultants and Architects, with a goal to create a practitioner focused platform and making it a leading global meeting place for the Infrastructure and Investment community.

By becoming a Sponsor, your company will be given the best possible opportunities to position itself to the worldwide industry. You will have access to some of the most influential decision-makers and potential business partners who will be playing an integral part in shaping the future of the industry.

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If you wish to speak at our conference; please email us your details and a topic outline at deena@bricsaconsulting.com

Ahmed Mobashshir

Email: ahmed@bricsaconsulting.com

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After receiving the payments a receipt will be issued. You will receive the Conference Pack 4 weeks prior to the event mentioning itinerary & joining details. Should you need any further information please Contact us on +91 22 6242 2900

Registration & Enquiries

Contact Sales at Bricsa Consulting

Tel: +91 22 6242 2900

Date: 25th & 26th September, 2017

Venue: VILLA ROSA KEMPINSKI NAIROBI

To become a Speaker contact:

Deena Sheikh

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Accommodation

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