

BIO DATA

Name: Fredrick Akoth Odero

Date of Birth: 14th August 1979

Nationality: Kenyan

Marital Status: Married

Mobile Number: +254 720 944 192/+254 762 627 152

Email Address 1: fredrick.odero@buc.ac.ke

Email Address 2: fredrick.odero@gmail.com

CAREER OBJECTIVE

To be a globally competitive scholar, trainer and researcher in Information Systems and Technology (IS&T).

AREAS OF RESEARCH INTEREST

- Information Systems and Governance
- Computer Modelling
- Backend Databases
- Software Engineering

ACADEMIC QUALIFICATIONS:

Ongoing PhD in Information Systems and Technology

Institution: University of Kwazulu Natal, South Africa

Thesis Title: *Decision Analysis Model for Selecting and Prioritising Information Systems Project for the Kenyan Public Sector.*

2004-2007: M.Sc. Information Systems

Awarding Institution: University of Sunderland (UK).

Dissertation Title: *The Application of Decision Support Systems in Information Management and Decision Making.*

1998-2002: B.Sc. Physics and Computers- Upper Second Class Honours

Awarding Institution: Jomo Kenyatta University of Agriculture and Technology (JKUAT)

1993-1996: Kenya Certificate of Secondary Education (KCSE)

School: Koderobara Secondary School

1992: Kenya Certificate of Primary Education (KCPE)

School: God-Kado Primary School

PROFESSIONAL APPOINTMENTS

- **August 2021 to date:** ICT Lecturer in the School of Pure and Applied Sciences, Bomet University College.
- **May 2014-April 2019:** Assistant Lecturer, Department of Computing and Informatics, Taita Taveta University.
- **February 2013 to May 2014:** Founding ICT Manager, Taita Taveta University College.
- **February 2013 to May 2014:** Tutorial Fellow in the Department of Mathematics and Informatics, Taita-Taveta University College
- **October 2008 to November 2012:** Tutorial Fellow in the Institute of Computer Science and Information Technology, JKUAT.
- **June 2011 to September 2012:** ICT Consultant with the National Economic and Social Council (NESC), Office of the President, Republic of Kenya.
- **February 2009 to December 2012:** Founding Manager, JKUAT ICT Consultancy Centre.
- **August 2008 to September 2010:** Project Manager, Air Transport Management System, a Project of Kenya Civil Aviation Authority (KCAA).
- **September 2004:** Part-time Lecturer (Degree Programmes) at JKUAT.
- **May 2004 to February 2007:** Lecturer in Information Technology and Coordinator of the JKUAT Diploma in Information Technology Programmes at Nairobi Institute of Technology.
- **May 2002 to December 2003:** Deputy Principal and Teacher of Mathematics and Physics at Taph Academy-Nairobi.

OTHER APPOINTMENTS:

- **April 2011 to May 2014:** Member of the Executive Board of the Pan African Competitiveness Forum-Kenya Chapter
 - **January-December 2011:** Member of the Taskforce on establishing ICT clusters in Kenya
 - **December 2010 to Date:** ICT Cluster Strategy Facilitator (CSF).
 - **January 2005 to February 2007:** Team Leader, JKUAT-CEP Examinations Board.
- Area of Specialization:** Programming and Software Development.

- **August to December, 2007:** Resource person for the Taskforce constituted for the National Industrial Training Council on modernisation of DIT training facilities and equipment for the six DIT training centres in Kenya.
- **January 2007 to September 2008:** Director in charge of Research, Outsourcing and E-solutions at **Inspace Creative Ltd**, a Kenyan-based ICT firm that provides e-solutions in; Business Software Development, Database-driven websites, e-cards, digital animation and motion graphics, graphic design, and ICT Consultancy.
- **July 2007 to Date:** Chairman of the University of Sunderland Alumni Association-Kenya Chapter.

INNOVATION PROJECTS

Odero, F. A. (2009) “Open Source Software Application for Managing Air Transport Operations in the Civil Aviation Authorities for the East African Community Partner States.” *This was a live Technology demonstration of the Air Transport Management System (ATMS) done at the East African Community Civil Aviation Safety and Security Oversight Agency Symposium held at Naura Springs Hotel in Arusha, Tanzania on 22nd and 23rd October 2009.*

Odero, F. A. (2009) “Concept Paper and Business Plan for Establishment of ICT Consultancy Centre for JKUAT”. *The paper was presented to the University Management Board (UMB) on 8th June 2009. It was adopted and the first centre set up at the Nairobi CBD Campus.*

Odero, F. A., Onyach, S. O. (2008) “Design, Development, and Deployment of Air Transport Management System”. *This was a software development project which was undertaken in order to solve the challenges facing Civil Aviation Authorities in the East African Community. The project was successfully completed and the first version of the application software developed is in use at Kenya Civil Aviation Authority.*

Odero, F. A. (2004) “Internet and Computer Culture: A Case Study of Jomo Kenyatta University of Agriculture and Technology”. *Paper presented at JKUAT ICSIT in April 2004 and Submitted to University of Sunderland (UK).*

Odero, F. A. (2005) “COCOMO 2.0: A Significant Advance in Software Development Effort Estimation Method”. *Paper Submitted to University of Sunderland (UK).*

Odero, F. A. (2006) “Comparison and Evaluation of Relational, Object-Relational, and Object-Oriented Data Models. *Paper Submitted to University of Sunderland (UK).*

Odero, F. A., Lejk, M* (2006) “The Application of MIS and DSS in Information Management and Decision Making with the Development of Student Record DSS”. *MSc CBIS Research project. Project presented at JKUAT ICSIT in October 2006 and Submitted to University of Sunderland (UK) and JKUAT.*

* Dr. Mark Lejk: M.Sc. Project Supervisor.

PARTICIPATION IN NATIONAL AND INTERNATIONAL CONFERENCES

- June 2015: Academic Peer Review Workshop held at the University of Kwazulu Natal, South Africa.
- IST-Africa Annual Conference 2012, Kunduchi Beach Hotel, Dar-es Salaam Tanzania
- Pan African Competitiveness Forum (PACF), Entebbe, Uganda: February 2011
- Cluster Facilitators Workshop organized by NESC, Office of the Prime Minister, Ministry of Information and Communication, Ministry of Industrialization, Kenya Vision 2030 Secretariat and KIPPRA. Dates: 5th to 8th December, 2010. Venue: Kenya School of Monetary Studies (KSMS).
- ICT 4 Development Conference: Southern Sudan 2010, Connectivity for Communications, Commerce and Governance. Dates: 23rd to 24th November, 2010. Venue: Nyakuron Cultural Centre, Juba, Southern Sudan.
- Workshop on effective teaching (Pedagogy). Dates: 25th -26th November 2009. Venue: JKUAT Taita Taveta Campus.
- East African Community Civil Aviation Safety and Security Oversight Agency (CASSOA) Aviation Symposium to commemorate the 10th Anniversary of the East African Community. Dates: 22nd -23rd October 2009. Venue: Arusha, Tanzania.
- 2nd East African Investment Conference (ICT) Dates: 24th – 26th June 2009. Venue: KICC, Nairobi, Kenya
- 1st East African Investment Conference (ICT) Dates: 26th -28th June 2008. Venue: Serena Hotel, Kigali, Rwanda.
- 9th Strathmore University ICT Conference: ICT’s Role Towards a Knowledge Economy. Dates: 5th -6th September 2008.
- Seminar for the JKUAT Approved Centres Date: 6th October 2005. *Seminar Organised by the JKUAT Continuing Education Programme (CEP).* Venue: Utalii Hotel, Nairobi Kenya

AWARDS

- Award of Academic and Professional Merit-Taita Taveta University College (Constituent College of JKUAT)

- International Honour Award in ICT from the Commonwealth Telecommunications Organisation (CTO) Award presented on November 24th 2010 in Juba, South Sudan.
- Vice Chancellor's Commendation (JKUAT): June 2010.
- Commonwealth Scholarship for M.Sc. In Computer Based Information Systems (University of Sunderland-JKUAT).

PROFESSIONAL BODIES

- Member of the Pan African Competitiveness Forum (PACF)
- Member of the Computer Society of Kenya (CSK)

REGISTERED WORKS WITH THE KENYA COPYRIGHT BOARD

- Air Transport Management System (Software)
- Online Research Information System (Software)
- Impact Project Monitoring and Evaluation System (Software)

HOBBIES

Reading, travelling, playing scrabble and table tennis, and watching documentaries.

REFEREES

1. Colin Hardy
Principal Lecturer
School of Computing, Engineering and Technology
David Goldman Informatics Centre, Sunderland
Tyne and Wear, SR6 0DD
Tel: +44 (0) 0191 515 3416
Sunderland, United Kingdom.
Email: colin.hardy@sunderland.ac.uk

2. Professor Irene Govender
Academic Leader, School of Information Technology
University of Kwazulu Natal, Westville Campus
X54001 Durban 4000.