

CURRICULUM VITAE

Personal

Family name Wakholi
Name Peter Khisa Wakholi
Date of Birth 26.03.1975
Sex Male
Nationality Ugandan

Key Qualifications

Peter is passionate to translate research into practical solutions that solve problems in the developing world. After all, there is nothing more practical than a good theory (Kurt Levin). His research interests intersect industrial experience and theory to present innovative ways of approaching problems in the IS domain. Based on this guiding principal, he has undertaken research in enterprise architectures and business process, mobile-based systems, Information systems modeling and technology for development. He conducted his PHD research is on process aware mobile systems at the University of Bergen in Norway. Through his research, he has been at the forefront of many innovative products like openXdata workflows (<http://openxdata.org>) and has been implemented in a range of Information systems.

Education

08/2009-04/2013: *PHD Information Sciences, University of Bergen, Norway*
06/2005-09/2006: *Msc. Information Systems, London SouthBank University, United Kingdom*
2000-2003: *BSc. Computer Science, Makerere University, Uganda*
1995-1999: *Higher National diploma in Electrical Engineering, Kyambogo, Uganda*

Languages

(5=excellent; 1=basic)

	Reading	Speaking	Writing
Lumasaba (Uganda)	Mother tongue	Mother tongue	Mother tongue
English	5	5	5
Luganda (Uganda)	3	3	2

Present position

Lecturer, School of Computing and Informatics Technology

Employment record

06/2006 – to date Lecturer, School of Computing and Informatics Technology
04/2011 – to date Founding Member and Managing Director, OMNI-Tech Ltd (<http://omnitech.co.ug>)
07/2007 – 10/2009 Assistant Head of department of Innovations and Software Development, Makerere University
01/2000 – 12/2006 Information systems administrator, UK Department for International Development (Uganda)

Consultancies / Community Engagements

IRC Sustainable Services at Scale project

Contracted to create a system for creating Service delivery indicators for Uganda.

September 2013 to present

USAID Program for Improved Nutrition (RECO)

Contracted to develop a Monitoring and Evaluation system to enable the collection of data using mobile devices and the web and mobile phones.

August 2013 to present

Water Aid Uganda (WAU)

Contracted to develop a Monitoring and Evaluation system to enable the collection of data using mobile devices and the web and mobile phones. Data is on each activity or construction is submitted by WAU partners and reports generated by the system.

Jan 2013 to July 2013

SNV Uganda

Contracted to develop a Monitoring and Evaluation system to enable the collection of data using mobile devices and the web and mobile phones. Data is on each activity or construction is submitted by SNV partners and reports generated by the system.

Jun 2012 Feb 2013

ARK-PEAS school monitoring system Project Leader

Contracted to Develop a Monitoring tool for 10 schools that are implementing a UK-based charity ARK-PEAS programs in Uganda. Worked as the lead consultant with the team from OMNI-Tech Ltd.

March 2012

SNV Uganda - Principal Investigator M4W Project	July 2011
Submitted a joint proposal for funding to develop a mobile-based tool for monitoring the functionality of water points. System was developed by a team of software developers at OMNI-Tech and deployed in 12 districts in Uganda. http://m4water.org/	
Uganda Bureau of Statistics	May 2011
Lead consultant in developing a mobile – based solution for data collection. Conducted feasibility study, reviewed current business processes and information needs, designed and developed a system that has being deployed.	
Ministry of Foreign Affairs Uganda	December 2010
Part of a team that reviewed that current It infrastructure, business process and organizational goals in order to develop an IT strategic plan.	
Invited Speaker for WHO Neglected Tropical Diseases workshop	August 2010
Provided insight on the use of mobile devices for monitoring programs in health. Presented the use on behalf of openXdata (http://www.openxdata.org/) where I am a management board member	
World Health Organization (WHO)	October 2010 - present
Part of the technical advisory group on the utilization of information systems for immunization programs.	
National Malaria Control Program Rwanda	Aug 2009 – Jan 2010
Analysis of requirements for SMS-based reporting tool. Project leader for implementing an SMS based reporting tool on malaria prevalence from health centers in Rwanda	
National Agricultural Research Organization, Kampala Uganda	Jan 2009 – Aug 2009
ICT expert	
Developed a mathematical model for dairy feed optimization. Developed a decision support tool (Endiisa) for dairy farmers and deployed on NARO website. Site URL - http://naro.go.ug/Inventory/Endiisa/index.php	

Publications, Presentations and Abstracts

- Wakholi, P. and W. Chen (2012). *Workflow Partitioning for Offline Distributed Execution on Mobile Devices. 24th International Conference on Advanced Information Systems Engineering (CAiSE) Forum, Gdańsk, Poland, CEUR-WS.org.*
- Wakholi, P., W. Chen, et al. (2011). "Workflow Support for Mobile Data Collection." *Enterprise, Business-Process and Information Systems Modeling: 299-313.*
- Wakholi, p. K., H. (2010). "CU@SCHOOL: Tracking School attendance in Uganda." Retrieved 08/10.2012, 2012, from <http://twaweza.org/index.php?i=221>.
- Klungsøyr, J., P. Wakholi, et al. (2008). *OpenROSA, JavaROSA, GloballyMobile–Collaborations around Open Standards for Mobile Applications.*
- Jørn KLUNGSØYR, Thorkild TYLLESKÄR, Bruce MACLEOD, PaulBAGYEND, Weiqin CHEN, Peter WAKHOLI *OMEVAC–Open Mobile Electronic Vaccine Trials, an interdisciplinary project to improve quality of vaccine trials in low-resource settings M4D Conference 2008*
- Peter K Wakholi, Sarah Mubiru, Endiisa: *Decision Support Tool for Least Cost Nutritious Feed Combinations for Dairy Cattle in Uganda submitted to ICCIR conference 2011.*
- Mubiru, S. L., Wakholi, P., Nakiganda, A., Sempebwa, H. N., Namagemebe, A., Semakula, J., ... & Kazibwe, P. *Development of Endiisa Decision Support Tool for Improved Feeding of Dairy Cattle in Uganda. Agricultural Innovations for Sustainable Development, 45.*
- Peter Wakholi, Weiqin Chen, and Jørn Ivar Klungsøyr, *a framework for mobile-based electronic data collection in clinical trials, 7th International Conference on E-Governance (ICEG-2010)*
- Joseph Abisa, Peter Magara and Peter Wakholi, *Using mobile phones for monitoring delivery of rural water services in Uganda, IRC Symposium, Addis Ababa Ethiopia*

Upcoming Publications

- Peter K. Wakholi, Weiqin Chen and Jorn Klungsøyr , *Openxdata workflows – an approach to process-aware mobile data collection, Parallel and Distributed databases Journal*