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## CURRICULUM VITAE

NAME:SSEMALUULU, Paul Mukasa

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COMMONS USER NAME :KABALE UNIVERSITY

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POSITION TITLE: Senior Lecturer/ Head of Department

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### EDUCATION/TRAINING

INSTITUTION AND LOCATION	DEGREE	Completion Date MM/YYYY	FIELD OF STUDY
Makerere University, Kampala, Uganda	BBA	03/2003	Business Administration
Makerere University, Kampala, Uganda	Masters	03/2006	Computer Science
University of Groningen, The Netherlands	PhD	10/2012	Computer Modeling and Simulation

### A. Personal Statement

I am a scholar of information systems with several decades' professional and technical experience. My current research interests include the assessment and effective development and deployment of information systems in developing countries. My doctoral dissertation identified issues that, if addressed, can help improve the design and operational success of IS projects in developing countries. Currently I teach business information technology and decision sciences at Makerere University's School of Computing and Informatics Technology. My engineering and IT career spans more than 35 years and work on projects including installation of microwave systems for Entebbe airport in Kampala, setting up LANs and installing intelligent terminals (and later PCs) at the airport for several international airlines, setting up the first fiber optic network for greater Kampala with an international team of engineers from Fujitsu (Japan); planning the first Entebbe-Kampala fiber-optic network; installation, testing and commissioning of the new NEAX digital switch; added hardware and networking capacity to enhance computer teaching at Makerere University Business School; and implemented the Makerere Campus Wide Area Networking Project connecting Makerere University to Kabanyolo University, Makerere University Business School, and Mulago Hospital Pathology Department.

Most recently I have been working as the technical support member for the TSEED SIDA Project at Makerere University. At the same time I have been supervising one student on a PhD in the area of Spatial Modeling for Nodding Syndrome in Northern Uganda.

I look forward to contributing my expertise and perspectives to any area in Computer Science, Information Systems, IT work, and teaching.

## PUBLICATIONS

1. Ssemaluulu P and **D.W. Williams** (2006).A System Dynamics Tool for IT Investments (book chapter). Kampala: Fountain Publishers.<http://serval.ug/~jona/files/SREC06.pdf>
2. Ssemaluulu P and **D.W. Williams** (2007).Complexity and Risk, a System Dynamics Approach (book chapter). Kampala: Fountain Publishers.<http://dspace.mak.ac.ug/handle/10570/1990>
3. Ssemaluulu P and **D.W. Williams (2008)**. Use of “Flight Simulator” for Training IT Managers in Investment Decision Making. *In*Aisbett, J., Gibbon, G., Rodrigues, A.J., Kizza, J.M. and Renardel, G.R., eds., *Special Topics in Computing and ICT Research: Strengthening the role of ICT in Development*. Kampala: Fountain Publishers, 4:144-159. <http://dspace.mak.ac.ug/handle/10570/1915>
4. Ssemaluulu P.M., Muma, W., Mwase, M. and Katongole, P. (2010). Maternal Monitoring: Lowering Child Mortality by Use of ICTs. Fountain Publishers.  
[http://cit.mak.ac.ug/iccir/downloads/ICCIR\\_10/Ssemaluulu%20Paul\\_%20Muma%20Wycliff\\_%20Mwase%20Maria\\_%20Katongole%20Paul\\_10.pdf](http://cit.mak.ac.ug/iccir/downloads/ICCIR_10/Ssemaluulu%20Paul_%20Muma%20Wycliff_%20Mwase%20Maria_%20Katongole%20Paul_10.pdf)
5. Ssemaluulu P.M.(2012) **An Instrument to Assess Information Systems Success in Developing Countries**. PhD Thesis. University of Groningen.<http://irs.ub.rug.nl/ppn/351215395>. ISBN 978-90-367-5678-5.
6. Mubaraka M.C, \***Ssemaluulu, P.M.**, Maiga, G. (2016)Architectural Design of a secure Results management information system in Uganda-International Journal of Engineering Research and Science. ISSN No. 2395-6992.
7. Mubaraka M.C, Maiga, G., \***Ssemaluulu, P.M.** (2016)System Security as a correlate for Effective Use of Results Management Information Systems in Universities in Uganda World Journal of Research and Review. Paper ID: WJRR0303017.
8. Ongaya Kizito, **Ssemaluulu P.M.**, Oyo, B. (2017). Conceptual Modeling of Nodding Syndrome: A System Dynamics and Sequence Approaches. Published as a Book Chapter: Africa in Global Development Discourses. Edited By Prof. M. Amntabi.
9. Ongaya, K; **Ssemaluulu, P**; Oyo, B &Bongomin, P. (2018). Conceptual Modeling of Nodding Syndrome: A System Dynamics and Sequence Approaches.. Journal of African Interdisciplinary Studies. 2(1), 137 - 153.
10. Ssegawa E. James, **Ssemaluulu Paul**, Gonzales Vicente, BusingePhelix Mbabazi, Kareyo Margret and Alone Kimwise. Development and Validation of a Model for Tracking Administration of Malaria Drugs in Uganda . Global Journal of Engineering Science and Researches 6(6):33-42. June 2019 ISSN 2348-8034.

## B. Positions and Honors

### Positions

1978-1981	Technical Trainee, Analog Systems, Uganda Posts & Telecommunications Corporation (UPTC)
1981-1983	Technical Officer, Telecommunication Systems, UPTC
1983-1987	Senior Technical Officer, UPTC
1987-1992	Assistant Engineer and Maintenance Officer-In-Charge, UPTC
1992-1993	Sectional Engineer for nationwide maintenance and trainer of pupil engineers, UPTC
1993-2001	Division Engineer/Area Manager, DTO/Entebbe, UPTC
2001-2004	Assistant Network Administrator, Small Business Center, and Makerere University Business School
2004-2006	Part-time lecturer, Kyambogo University, Kampala, Uganda
2004-2012	Research Coordinator/Assistant Lecturer, Department of Information Technology, School of Computing and Informatics Technology, Makerere University, Kampala, Uganda
2013- 2018	Lecturer, Department of Information Technology, School of Computing and

Informatics Technology, Makerere University, Kampala, Uganda  
2018-2020 Senior Lecturer and Associate Dean Faculty of Science, Uganda Martyrs University

2020-todate Senior Lecturer and Head of Department Computer Science Kabale University

### **Honors**

1979 Letter of Appreciation from the Chief, Customer Services, UPTC  
1997-1999 Class chairman for 6 semesters, B.B.A. Class of 1999, Makerere University  
1998 Certificate of Appreciation from the White House Communications Agency (USA) for provision of telecom service during the visit of US President to Uganda  
2003-2004 Class President, Master of Science in Computer Science, 2003-2004, Makerere University

### **C. Contributions to Science**

My doctoral dissertation identified issues that, if addressed, can help improve the design and operational success of IS projects in developing countries. Currently I teach Business and Computer based subjects at Kabale University; a Public University of the Government of Uganda.

In addition to the contributions described above, with a team of collaborators, I have been investigating the causes and probable solutions to the Nodding Syndrome disease in Northern Uganda, using a spatial-temporal model. This work is ongoing.

### **D. Additional Information: Research Support and/or Scholastic Performance**

Training for Sustainable Spatially Enabled e-Services Delivery in Uganda (TSSEED) Project- Makerere University with SIDA Support.

In this period the project sought to carry out spatial predictive modeling for prevalence of infectious diseases in Uganda; Epidemiology intervention without location – a blind guess; A public participatory GIS for planning e-services for solid waste management; Spatial-temporal modeling of nodding syndrome; and Automated Diagnosis and spatial temporal Modeling of Mobile Microscopic Diseases. In the same period, the project also aimed to set up laboratory to support research and training in the area of e-services.