

SUMMARY CURRICULUM VITAE

PERSONAL DETAILS

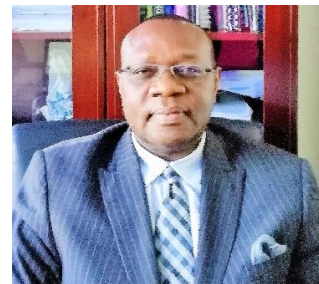
Name: Prof. Ddembe Willeese WILLIAMS
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GLOBAL EXPERIENCE

I have a global experience spanning more than 17 years as a Senior Academic and as an International Institutional reviewer in UK, France, Germany, USA, The Netherlands, Norway, Uganda, Kenya and Ghana. This has strengthened my expertise in terms of Technology Innovation, Collaborative Partnerships, Climate Change as well as enhancing a global profile in Systems Science. I have published over 60 internationally refereed journal articles, book chapters, conference papers, as well as chairing several research conferences and workshops. My systems science research expertise, research based teaching and PhD supervision lie in seven areas:

- Simulation and Modelling, with particular emphasis on System Dynamics
- Model-based Decision Support Systems
- Technology Innovation and Transfer in Software and Health Informatics
- Big Data Analytics
- Systems Engineering
- Data Driven Quality Assurance
- Evidence-based Practices in Drought Management

EXPERIENCE IN KENYA

I have more than seven years of practice and research expertise that has raised the agenda for KCA University by re-energising Institutional approach towards internationalisation and employability. My Experience in working in Kenya has involved championing organisational transformation by developing research in computing disciplines aimed at innovations and commercialisation for revenue generation. While at the same time providing Intellectual strategic leadership in Climate change and agriculture, research & development and Strategic Linkages that could advance knowledge and drive change at both at postgraduate and PhD research levels. I am a passionate advocate for innovative approaches to research-based learning and teaching, internationalisation and a close university-industry interactions. This lead to the development of seven key collaborations, one PhD, two masters and three undergraduate programmes all aimed at quality of, and relevance of education to enhance sustainable social and economic development in Kenya.

GRANTS FUNDING

Major Successful Research Grants

- British Council Newton Fund: International Workshop On Data Analytics and Cloud Computing: Innovations For Sustainable Development Joint Application between KCA University (KE), City University (UK) Stellenbosch University (SA) GBP 50,000 April 2017 **2nd Applicant Williams D.W**
- Norwegian Centre for International Cooperation (SiU): KeNoMo - Kenya-Norway Mobility Programme for Computer Science Education NoK 5,000,000 Dec 2016 **Kenyan Coordinator.**
- NUFFIC NICHE-KEN-211 project (July 2016) - "Capacity building for improved linkages between the Private sector and Universities and TVETs in Kenya". **Project Director and PI Ddembe Williams** Euros 658,970 July 2015 to June 2019
- IDRC Project Title: Skills for Employment: Scaling Up Technical and Vocational Training Project Number: 108174 LIWA Programme Trust **PI: Ddembe Williams** CAD 158,890.00 July 2016 – to June 2019

Education History	Year	Institution	Degree
	2004	London South Bank University (Computer Science / System Dynamics)	PhD

	2002	London South Bank University (Learning & Teaching in Higher Education)		PGCHE
	1994	London South Bank University (Advanced Information Technology)		MSc
	1989	Odessa Agricultural Institute (Organisational Cybernetics)		BSc
Employment History	Start year	End Year	Organisation	Position
	May 2017	To date	University of Nairobi	Research Professor, Complex Systems Modelling and Data Analytics
	March 2015	April 2017	KCA University	Associate Deputy Vice Chancellor, Technology , Innovations and Strategic Partnerships
	Jan 2013	Dec 2016	KCA University	Dean, Faculty of Computing & Information Management
	Sept 2011		KCA University	Associate Professor of Systems Modelling & Data Analytics
	2006	2008	Makerere University	Visiting Senior Lecturer/ Director Quality Assurance
	1999	2006	London South Bank University	Senior Lecturer in Decision Sciences

Key Publications

Aminah Zawedde, M. D. Martijn Klabbbers, **D. Williams** and M. G. J. Mark van den Brand (2011)

Understanding the Dynamics of Requirements Process Improvement: A New Approach, in Lecture Notes in Computer Science, 2011, Volume 6759, pp 276-290, DOI: 10.1007/978-3-642-21843-9_22

Aminah Zawedde, and **D. Williams** (2014) Dynamics of Software Systems Projects during the Requirements Process Improvement, International Journal of Simulation and Process Modelling, Volume 9, No. 4,

Williams, D (2014) Massive Open Online Courses (MOOCs) Security, Privacy and Ethical Conduct: Implications for Emerging Markets, IBM Global Research Digital Learning Workshop New Delhi 27 - 28th Feb 2014

Williams, DW (2014) Big Data Science: The next Frontier of Scientific Interdisciplinary Collaboration and Professional Practice, IEEE Workshop, Intercontinental Hotel, Nairobi, 23th October

Williams, DW and Olubayi (2014) Evidence based Practices in Drought Management: Lessons Learned from Kitui, Kilifi, and Makueni Semi-Arid Counties in Kenya, National Drought Management Authority (NDMA) August 2014

Williams, D.W. (2013) Big Data Science: The next Frontier of Scientific Interdisciplinary Collaboration AITEC Conference 20th November 2013

Oyo, B., **Williams, D.W**, and Barendsen, E (2012) Integration of System Dynamics and Action Research: with Application to Higher Education Management , LAP LAMBERT 176pp

Williams, D and V. Baryamureeba (2006) Information and Communication Technology for Sustainable Development: Measuring Computing Research Excellence and Vitality, Fountain Publishers, Kampala 450pp ISBN: 13: 978-9970-02-592