



# THE TECHNICAL UNIVERSITY OF KENYA

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## EDUCATION

LEVEL	QUALIFICATION NAME	INSTITUTION	YEAR
Doctor of Philosophy (PhD)	COMPUTER SCIENCE	THE TECHNICAL UNIVERSITY OF KENYA(Kenya)	2018
Masters of Science (M.Sc.)	INFORMATION SYSTEMS	UNIVERSITY OF NAIROBI(Kenya)	2008
Bachelor of Education (B.Ed)	BACHELOR OF EDUCATION IN TECHNOLOGY	MOI UNIVERSITY(Kenya)	1993
Certificate	KENYA ADVANCED CERTIFICATE OF EDUCATION	KISUMU BOYS HIGH SCHOOL(Kenya)	1988
Certificate	KENYA CERTIFICATE OF EDUCATION	ONJIKO SECONDARY SCHOOL(Kenya)	1986

## WORK EXPERIENCE

PERIOD	INSTITUTION	POSITION
APRIL 2003 - 2009	THE KENYA POLYTECHNIC	SENIOR LECTURER

## SELECTED PUBLICATIONS

TITLE	LINK TO PULICATION
<p>Winston Ojenge; Thomas Afullo; William Okelo Odongo; 2013. COMPARING PERFORMANCE OF MLP AND RBF NEURAL NETWORKS FOR TV IDLE CHANNEL PREDICTION IN COGNITIVE RADIO. The 2013 Pan African International Conference on Science, Computing and Telecommunications (PACT 2013) hosted by the University of Zambia, Lusaka in Lusaka in conjunction with La Trobe University (Australia). 15th - 18th, JULY, 2013. IEEEExplore Digital Library: IEEE 2013. Print ISBN: 978-1-4799-0587-4; DOI - 10.1109/CICSYN.2013.68; INSPEC Accession Number: 13684502. CICSyN, page 25-29</p>	<p><a href="http://dx.doi.org/10.1109/cicsyn.2013.68">http://dx.doi.org/10.1109/cicsyn.2013.68</a></p>
<p>Ojenge W., Okelo-Odongo W., Ogao P., 2016. Use of GA-Optimized NN to Predict DVB-T2 Receiver Spectrum Holes. International Journal of Simulation: Systems, Science and Technology, Vol. 16. DOI 10.5013/IJSSST.a.16.04.12. ISSN: 1473-804x online, 1473-8031 print</p>	<p><a href="https://ijssst.info/Vol-16/No-4/paper12.pdf">https://ijssst.info/Vol-16/No-4/paper12.pdf</a></p>
<p>a) W. Ojenge, W. Okelo-Odongo and P. Ogao, 2015. Comparing PSO and GA optimizers in MLP to Predict Mobile Traffic Jam Times. International Journal of Computer Science and Information Security (IJCSIS), Vol. 13, No. 10, Pp. 19-30, October 2015. ISSN 1947 - 5500</p>	<p><a href="https://sites.google.com/site/ijcsis/vol-13-no-10-oct-2015?tmpl=%2Fsystem%2Fapp%2Ftemplates%2Fprint%2F&amp;showPrintDialog=1">https://sites.google.com/site/ijcsis/vol-13-no-10-oct-2015?tmpl=%2Fsystem%2Fapp%2Ftemplates%2Fprint%2F&amp;showPrintDialog=1</a></p>
<p>Winston Ojenge; Thomas Afullo; William Okelo Odongo; 2013. OPTIMIZING NEURAL NETWORKS FOR TV IDLE CHANNEL PREDICTION IN COGNITIVE RADIO USING PARTICLE SWARM OPTIMIZATION. Fifth International Conference on Computational Intelligence, Communication Systems and Networks (CICSyN2013), Madrid, Spain. 5th - 7th, JUNE, 2013. IEEEExplore Digital Library: IEEE 2013. Print ISBN: 978-1-4799-0587-4; DOI - 10.1109/CICSYN.2013.68; INSPEC Accession Number: 13684502. CICSyN, page 25-29.</p>	<p><a href="https://doi.org/10.1109/CICSYN.2013.68">https://doi.org/10.1109/CICSYN.2013.68</a></p>
<p>Winston, O; Thomas, A; Patrick, O; William, O.; 2013. PSO OF NEURAL NETWORKS TO PREDICT BUSY TIMES OF CELLULAR TRAFFIC FOR ASSIGNMENT TO TV IDLE CHANNELS BY COGNITIVE RADIO. 7th UKSim/AMSS European Modeling Symposium, EMS 2013, 20th-22nd, NOVEMBER, 2013, Manchester UK. IEEEExplore Digital Library: IEEE 2013. Print ISBN: 978-1-4799-2577-3; Digital Object Identifier: 10.1109/EMS.2013.8; INSPEC Accession Number: 14199510. Page(s) 48 - 52</p>	<p><a href="https://dl.acm.org/doi/10.1109/EMS.2013.8">https://dl.acm.org/doi/10.1109/EMS.2013.8</a></p>
<p>Ojenge W., 2009. Comparing Hyperspectral and Multispectral Satellite Imaging for Within-Field Maize Yield Prediction Using Support Vector Machine: A paper presented at the 10th annual ICT conference of Strathmore University, October, 2009. Published on www.strathmore.edu.</p>	<p><a href="http://hdl.handle.net/11071/3272">http://hdl.handle.net/11071/3272</a></p>
<p>CAREER-GUIDANCE ASSISTANT - A KNOWLEDGE BASED SYSTEMS APPROACH: MSc Thesis, 2008 (unpublished). COLLEGE ADMISSION USING EXPERT SYSTEM - A paper presented at the 9th annual ICT conference of Strathmore University, October, 2008. Published on www.strathmore.edu, www.pdfqueen.com and www.dspace.mak.ac.ug</p>	<p><a href="http://hdl.handle.net/10570/1879">http://hdl.handle.net/10570/1879</a></p>