Geoffrey Mark Kagarura

Name: Geoffrey Mark Kagarura

Male, Ugandan

Highest Qualification: Bsc. Telecommunication Engineering

2010-Date: Teaching Assistant

Department of Electrical and Computer Engineering

School of Engineering (Formerly: Faculty of Technology)

College of Engineering Design, Art and Technology

Email: gmkagarura@cedat.mak.ac.ug

Contact: +256712930408

Research Interests

Wireless Networks, Cognitive radio, Information Communications Technology (ICT), Internet of Things (IoT), Artificial Intelligence, Systems Engineering

Courses Taught

Course	Engineering Programs Offered
Physical Electronics	Electrical, Telecom
Electrical Materials I	Electrical, Telecom *(Not Currently Offered)*
Electrical Materials II	Electrical, Telecom *(Not Currently Offered)*
Electrical Materials	Electrical, Telecom
Electricity and Magnetism	Computer
Applied Analog Electronics	Electrical, Telecom, Computer
Intelligent Systems	Electrical, Telecom, Computer

CISCO IT Essentials 4.0	All *(Not Currently Offered)*
Final Year Project	Electrical, Telecom, Computer(Supervision)

Other Major Roles

Role	Title / theme of Conference	Date and Location	Name and address of Organisers	Name addre Organ
Secretariat of Academic Conference(Roseline N AkolConference Chair)	2nd National Communications Conference (NCC) 2012Theme: Exploring Technology for National Development.http://cedat.mak.ac.ug/ncc/	10th-11th September 2012, Kampala, Uganda	CEDAT, Engineering, Makerere	Ugand Comm Comm UCC (sponso
Secretariat of Academic Conference(Roseline N AkolConference Chair)	1st National Communications Conference (NCC) NCC 2011Theme: Advancing locally relevant solutions in communications	5-6th September 2011, Kampala, Uganda	Department of Electrical & Computer Engineering, Makerere	Ugand Comm Comm UCC (sponso

Selected Collaborations

Project/Program Title	Major Funding Agency	Leading Institution	Name of Principal Researcher/Team leader and contact address	Start and End Dates
(Community Wireless Resource Centre (CWRC) Under CEDAT)CWRC research abroad Experience	CWRC through the Millennium Science Initiative (UNCST)	Council of Scientific and Industrial Research (CSIR), South Africa	Dr. Dorothy Okello (Makerere University)Dr. Ntsibane Ntlapapa (CSIR)/ Prof. Fisseha Mekuria(CSIR	13 November-16 December 2011
UIRI-Department of Electrical & Computer Engineering- Joint Training and Resaerch	UIRI (equipment)/Self/ Dept. of Electrical & Computer Engineering	Makerere University, Uganda Industrial Research Institute (UIRI)	Under MoU Instrumentation Unit, UIRI	June/July 2011-May 2012

Publications

- Kagarura, G. M; Okello, Dorothy K.; Akol, Roseline N., "Evaluation of Spectrum Occupancy: A Case for Cognitive Radio in Uganda," *Mobile Ad-hoc and Sensor Networks (MSN), 2013 IEEE Ninth International Conference on* , vol., no., pp.167,174, 11-13 Dec. 2013, doi: 10.1109/MSN.2013.66
  URL: http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=6726326&isnumber=6726286 ,URL 2 http://dx.doi.org/10.1109/MSN.2013.66

- Dlodlo, N, Mofolo, M and Kagarura, GM. 2012. "Potential applications of the Internet of Things in sustainable rural development in South Africa," *In: International Conference of Information Science and Computer Applications (ICISCA),* Bali, Indonesia, 19-20 November 2012. URL: http://www.researchgate.net/publication/258446246_Potential_applications_of_the_Internet_of_Things_in_sustainable_rural_development_in_South_Africa

- Kagarura, G. M; "*Design of a Reduced Complexity Channel Model for MIMO Based 4G Systems*", Undergraduate Project Report, (Unpublished), Department of Electrical Engineering, Makerere University, July 2010.