



THE TECHNICAL UNIVERSITY OF KENYA

Haile Selassie Avenue, P.O. Box 52428, Nairobi, 00200, Tel +254(020) 343672, 2249974, 2251300, 341639

Fax 2219689, Email: vc@tukenya.ac.ke, Website: www.tukenya.ac.ke

NAME: DR KENNEDY KIBET RONOH

Faculty:	Applied Sciences and Technology
School:	Computing and Information Technology
Department:	Computational Science and Engineering
Current Designation:	Lecturer, COMPUTER COMMUNICATION AND NETWORKS (DCCN)
Office Telephone:	+254(020) 2219929, 3341639, 3343672
Official Email:	kennedy.ronoh@tukenya.ac.ke
Consultation Hours:	8AM-5PM MON - FRI



EDUCATION

LEVEL	QUALIFICATION NAME	INSTITUTION	YEAR
Doctor of Philosophy (PhD)	COMPUTER SCIENCE	UNIVERSITY OF NAIROBI(Kenya)	2020
Masters of Science (M.Sc.)	Electrical Engineering	Linkoping University(Sweden)	2012
Bachelor of Technology (B.Tech)	Computer Engineering	Moi University(Kenya)	2008

WORK EXPERIENCE

PERIOD	INSTITUTION	POSITION
2016 - TO DATE	THE TECHNICAL UNIVERSITY OF KENYA	ASSISTANT LECTURER
2015 - 2016	MACHAKOS UNIVERSITY COLLEGE	TUTORIAL FELLOW
2014 - 2016	THE TECHNICAL UNIVERSITY OF KENYA	SESSIONAL ASSISTANT LECTURER
2014 - 2015	University of nairobi	SESSIONAL ASSISTANT LECTURER

GENERAL STATEMENT ON RESEARCH AREAS

Ronoh has the following research interests: Internet of Things (IoT), Community Networks, TV White Spaces, Cognitive Radio, Metaheuristic Algorithms, Swarm Intelligence Algorithms, Population Based Metaheuristics, Machine learning

CURRENT RESEARCH PROJECTS

Practical and Projects Based Learning for IoT Computer Networks

SELECTED PUBLICATIONS

TITLE	LINK TO PULICATION
TV White Spaces in Africa - Trials and Role in Improving Broadband Access in Africa	https://ieeexplore.ieee.org/document/7331920
A Survey of Resource Allocation in TV White Space Networks	http://www.jocm.us/show-233-1476-1.html
Novel Resource Allocation Algorithm for TV White Space Networks Using Hybrid Firefly Algorithm	https://www.ijcjournal.org/index.php/InternationalJournalOfComputer/article/view/1360
Improved resource allocation for TV White Space network based on modified firefly algorithm	http://cit.fer.hr/index.php/CIT/article/view/4074
Firefly Algorithm based Power Control in Wireless TV White Space Network	https://ieeexplore.ieee.org/document/8095473
Comparison of Hybrid Firefly Algorithms for Power Allocation in a TV White Space Network	https://www.ijcaonline.org/archives/volume178/number38/ronoh-2019-ijca-919264.pdf
Comparison of Hybrid Firefly Algorithms for Binary and Continuous Optimization Problems in a TV White Space Network	https://www.wseas.org/multimedia/journals/communications/2020/a365104-1092.pdf
TV White Spaces Regulatory Framework for Kenya: An Overview and Comparison with Other Regulations in Africa Ronoh K., Mabele L., Sonoiya D. (2021) TV White Spaces Regulatory Framework for Kenya: An Overview and Comparison with Other Regulations in Africa. In: Zitouni R., Phokeer A., Chavula J., Elmokashfi A., Gueye A., Benamar N. (eds) Towards new e-Infrastructure and e-Services for Developing Countries. AFRICOMM 2020. Lecture Notes of the Institute for Computer Sciences, Social Informatics and Telecommunications Engineering, vol 361. Springer, Cham. https://doi.org/10.1007/978-3-030-70572-5_1	https://link.springer.com/chapter/10.1007%2F978-3-030-70572-5_1

PROFESSIONAL AFFILIATIONS AND SOCIETIES

TITLE	INSTITUTION
HCIA - Routing and Switching	Huawei
CCNA - Routing and Switching	Cisco