THE TECHNICAL UNIVERSITY OF KENYA

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NAME: MISS FLORENCE CHELANGAT

Faculty:	ENGINEERING AND THE BUILT ENVIRONMENT
School:	Electrical & Electronic Engineering
Department:	ENERGY AND POWER ENGINEERING
Current Designation:	Tutorial Fellow, ENERGY AND POWER ENGINEERING (DEPE)
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Consultation Hours:	8AM-5PM MON - FRI

EDUCATION

LEVEL	QUALIFICATION NAME	INSTITUTION	YEAR
Masters of Science (M.Sc.)	ELECTRICAL ENGINEERING	UNIVERSITY OF KWAZULU-NATAL(South Africa)	2019
Bachelor of Engineering (B.Eng)	ELECTRICAL ENGINEERING(POWER&ELECTRIC)	TECHNICAL UNIVERSITY OF KENYA(Kenya)	2014

WORK EXPERIENCE

PERIOD	INSTITUTION	POSITION
2019 - DATE	TECHNICAL UNIVERSITY OF KENYA	TUTORIAL FELLOW
2016 - 2019	TECHNICAL UNIVERSITY OF KENYA	GRADUATE ASSISTANT
2014 - 2016	PAYTECH LIMITED	SUPERVISOR

CURRENT RESEARCH PROJECTS

Modelling of the powerline communication noise in indoor environment	Powerline Communication

SELECTED PUBLICATIONS

TITLE	LINK TO PUBLICATION	YEAR
Chelangat, Florence, and Thomas Afullo. "Variational Bayesian Learning for the Modelling of Indoor Broadband Powerline Communication Impulsive Noise." Progress In Electromagnetics Research B 100 (2023).	View online	2023
Chelangat, F., and T. Afullo. "Low-voltage plc noise modelling." International Journal on Communications Antenna and Propagation (IRECAP) 12 (2022): 237.	View online	2022
F. Chelangat ; T. J. O. Afullo ; M. Mosalaosi Impedance Modelling Profiling and Characterisation of the Power Line Communication Channel, Progress in Electromagnetics Research Symposium (PIERS-Toyama), 2165-2171, 1-4 Aug 2018.	View online	2018
Chelangat, Florence, and Thomas Afullo. "Modelling of the Powerline Communication Bursty Impulsive Noise," Progress in Electromagnetics Research Symposium (PIERS-Prague), 3-6July 2023.	View online	2023
Chelangat, Florence, and Thomas Afullo. "K-means Initialisation for the Modelling of PLC Noise in Indoor Environment," IEEE AFRICON 20-22 Sept 2023.	View online	2023
F. Chelangat ; T. J. O. Afullo ; M. Mosalaosi Impedance Bidirectional Adaptive Coupler for Broadband PLC, The Southern Africa Telecommunication Networks and Applications Conference (SATNAC), 2-5 Sept 2018.	View online	2018
F. Chelangat ; T. J. O. Afullo ; Analysis of the Steady-State Distribution of PLC Impulsive Noise Characteristics, The Southern Africa Telecommunication Networks and Applications Conference (SATNAC), 27-29 Aug 2023.	View online	2023

PROFESSIONAL AFFILIATIONS AND SOCIETIES

TITLE	INSTITUTION
Graduate Engineer	Engineers Board of Kenya
Graduate Student Member	Institute of Electrical and Electronic Engineering
IEEE Young Professionals	Institute of Electrical and Electronic Engineering
IEEE HKN	Institute of Electrical and Electronic Engineering

EXTRA INFORMATION

DESCRIPTION