

Abdulrahman A. Faris

TUTORIAL FELLOW · GRADUATE ENGINEER- EBK (B11483) , IEK(G.10333)

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Education

UoN(University of Nairobi)

Nairobi, KENYA

PHD. IN ELECTRICAL AND ELECTRONIC ENGINEERING

Oct. 2022 -

- Ongoing
- Research area: Wireless communication: Novel Digital Modulation Techniques

UoN(University of Nairobi)

Nairobi, KENYA

M.SC. IN ELECTRICAL AND ELECTRONIC ENGINEERING

Sept. 2018 - Sept.2022

- Thesis Title: Performance Analysis of a Novel SSK Sequence Modulation
- Telecommunication option

UoN(University of Nairobi)

Nairobi, KENYA

B.SC. IN ELECTRICAL AND ELECTRONIC ENGINEERING

Sept. 1998 - 2004

- Second Class honors - upper division.
- Academic Project - Stepper motor control using micro-controller - 80C31

Khamis High School

Mombasa, KENYA

KENYA SECONDARY CERTIFICATE EDUCATION -**KCSE B+**

1993 - 1996

- Secondary Education

Skills

Programming	Python, MATLAB /Octave, Scilab, Xcos, Communication systems Modelling
Electronic Prototyping	Arduino, RaspberryPI
Languages	English (Fluent), Swahili (Mother Tongue) and Arabic (Basic)
Office Application	Latex, MS-Office, Veusz, Labplot - Highly Skilled

Experience

University of Nairobi

Nairobi, KENYA

TUTORIAL FELLOW

May 2023 - Present

- Servicing the following units FEE 411, FEE 162, and FEE 481 / 482 under mentorship.
- Final year project supervision.
- E.I.E Calibration Team Member.

University of Nairobi

Nairobi, KENYA

GRADUATE ASSISTANT

Aug. 2018 - May 2023

- Servicing the following units FEE 411, FEE 142, and FEE 481 / 482 under mentorship.
- E.I.E Calibration Team Member.
- Trained : Pedagogy, Machine Learning, and ISO/IEC 17025:2017
- Moodle Course for Instructor -KENET

Technical University of Mombasa - TUM.

Mombasa, KENYA

PART TIME DIPLOMA LECTURER

Sept. 2017 - Aug. 2018

- Lecturing Diploma Students: Electronics, Computer Networks, Computer Programming, Data Communication, Testing Methods and Reliability, and Process Control.
- Technologist Bsc. Laboratory: Antenna and Propagation, Microwaves Devices, Electromagnetics, Signals, and Transmission lines.

Bandari College

Mombasa, KENYA

RESOURCE PERSON

Mar. 2017 - Exp. Aug. 2018

- Lecturing Diploma Students in Marine Electrical and Electronics Engineering Module 1-KNEC.

Kneya Coast National Polytechnic

Mombasa, KENYA

PART TIME LECTURER

Mar. 2017 - Exp. Aug. 2018

- Lecturing Diploma Students in: Computer Networks, Communication Systems, Telecommunication Principles and Industrial Measurements -KNEC

TSS Grain Millers Ltd

HEAD OF MECHANICAL AND ELECTRICAL MAINTENANCE DEPARTMENT

- Planning and Monitoring manpower in both sections.
- Attending to breakdowns.
- Planning the preventive maintenance of both maize and wheat mills.
- Inventory and Procuring of Mills Spare Parts.

Mombasa, KENYA

Jan. 2015 - Feb. 2016

TSS Grain Millers Ltd

ADMINISTRATOR / IT ASSISTANT

- Providing IT support to the end user.
- Daily Backups of File Server.
- Procurement for TSS Group of Companies - TSS Transporters, Grain Millers, TSS POP IN, Mpeketoni Ginnery

Mombasa, KENYA

2013 - 2015

SGS Kenya Limited

IT ASSISTANT

- User systems Support, PC support and Installations, Network Connections.
- Daily Data Backup.
- Maintaining Servers: Lotus Notes-Mail Server, Right Fax, Slim Server for Laboratory Management
- Monitoring SGS LAN and Connection to the VPN, Gateway and Worldwide branches

Mombasa, KENYA

2008 - 2010

Radio Salaam FM Limited

CHIEF ENGINEER

- Setting up Transmission Sites.
- Setup Of Studio Equipments.
- Oversee Radio Salaam Technical Department- IT, studios, transmission sites, and Off site Broadcast
- Planning expansion Schemes

Mombasa, KENYA

2005 - 2007

Publications

Q FUNCTION: APPROXIMATION AND APPLICATIONS

ARCHITECTURE AND ENGINEERING CONFERENCE (AEC-2020)

University of Nairobi - Nairobi,
KENYA

Oct -2020

BER PERFORMANCE OF SSK SEQUENCE MODULATION

IEEE-AFRICON 2021

DOI: 10.1109/AFRICON51333.2021.9570926

AFRICON IEEE - Arusha, TANZANIA

13-15 Sept -2021

SSK-Sequence Modulation: A Study of Secrecy Rate and Receiver Computational Complexity

IEEE-AFRICON 2023

DOI:10.1109/afriicon55910.2023.10293309

AFRICON IEEE - Nairobi, KENYA

20-22 September 2023

Awards

2022 **Vice Chancellor's Award -UoN**, Excellence for inventing, together with others a Critical Care Ventilator

Nairobi, Kenya

2018 **AfDB**, Postgraduate Scholarship award by the African Development bank (AfDB) for MSc. Studies

Nairobi, Kenya

References

Dr. Peter O. Akuon

University of Nairobi

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- Nairobi, KENYA

Prof. Oduol Vitalis Kalecha

University of Nairobi

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