THE TECHNICAL UNIVERSITY OF KENYA

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NAME: MR AWUOR OCHIENG ADERO

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School:	PHYSICS AND EARTH SCIENCES
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EDUCATION

LEVEL	QUALIFICATION NAME	INSTITUTION	YEAR
Masters of Science (M.Sc.)	PHYSICS	UNIVERSITY OF NAIROBI(Kenya)	2011
Bachelor of Science (BSc)	PHYSICS	UNIVERSITY OF NAIROBI(Kenya)	2008

WORK EXPERIENCE

PERIODINSTITUTIONPOSITION2011 - 2014TUK AND MKUPART-TIME LECTURER

SELECTED PUBLICATIONS

TITLE	LINK TO YEAD
Storm-Time Behaviour of Meso-Scale Field-Aligned Currents: Case Study with Three Geomagnetic Storm Events	<u>View online</u>
Study of Response of Extreme Meso-Scale Field-Aligned Current to Interplanetary Magnetic Field Components BX, BY and BZ During Geomagnetic Storm	<u>View online</u>
Features of the night-time F- region currents over equatorial Africa on August, 2001	<u>View online</u>
Identification of the Night-time F-region currents from CHAMP satellite observations over equatorial Africa	<u>View online</u>
M.Sc. dissertation; Identification of the Night-time F-region currents from CHAMP satellite observations over equatorial Africa	<u>View online</u>
Storm-time mesoscale field-aligned currents and interplanetary parameters	<u>View online</u>

	COU	RSES	TAUG	HT
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NAME	DESCRIPTION	PERIOD
Electrodynamics	Very fundamental in understanding the rapidly changing electric and magnetic fields	september, 2019 - TO- DATE
Space Mechanics	Vital in the understanding the motions of artificial satellites and space vehicles moving under the influence of forces such as gravity, atmospheric drag, thrust, etc	september, 2019 - TO- DATE
Geophysics	In depth application of the principles of physics to the study of the Earth. It deals with such things as the movement of the Earth's crust and the temperatures of its interior. Another subject is the behavior of the still-mysterious geomagnetic field.	september, 2019 - TO- DATE
Data Analytics	Big Data Analytics, Data Visualization using Tableau, Python, R and MATLAB	October 2014 - TO- DATE