

KABARAK UNIVERSITY SCHOOL OF SCIENCE, ENGINEERING AND TECHNOLOGY CONFERENCE ON BASIC SCIENCES

MAIN CONFERENCE PRORGAMME

THEME:

9TH OCTOBER 2020

REGISTRATION

Session Chair: Dr. Phillip Nyawere

TIME	ACTIVITY	FACILITATOR
8.00 – 8.30 AM	REGISTRATION	SECRETARY
8.30 – 8.40 AM	MEDITATION	PROVOST
8.40 – 8.50 AM	WELCOMING REMARKS	DEAN - SSET
8.50 – 9.00 AM (FLEXIBLE)	OPENING REMARKS	PROF. HENRY
		KIPLANGAT
9.00 – 9.45 AM	KEY NOTE ADDRESS	DR. AKIN-OJO OMOLOLU
		EAIFR – RWANDA
9.45 – 9.50 AM	VOTE OF THANKS	DR. C. MAGHANGA
9.50 – 10.00 AM	BREAK	

Paper Presentations

Session Chair: DR. PETER TANUI

Session rapporteur: MR. ROBERT ROTICH

PAPER	PRESENTER	TIME
01 Berry Curvature and Multiband Formation	Albert Disi – The Catholic University	
in TaP	of Eastern Africa	
02 Cost of cloud Comptuting on record	Pauline Wangui - Researcher	10.00
maintenance in Nyandarua institute of Science		_
and technology, Nyandarua county, Kenya		10.20
06 Comparative Study on the Accuracy of	W.K. Cheruiyot – University of	10.20-
Selected Solar Radiation Models Against	Eldoret	10.40
Measured Data Under Tropical Climate		
04Computational Design of a Dual Template	Emily Chesari – Harbin Institute of	
Molecularly Imprinted Polymer	Technology	10.40-
		11.00
07 Cooperative Jahn-Teller effects in ScF3	DomitilerKemuntoOrori – The	11.00-
	Catholic	11.20

	University of Eastern University	
13Feed Formulation Rations for Layers Using	Grace Chumba – Kabarak University	11.20-
Two-level Factorial Designs		11.40
03 Highly Sensitive Hydrogen Gas Sensor	Joseph Karanja – Pwani University	11.40-
based on Fiber Bragg Grating (FBG) and		12.00
Laser ablation technology		
12 Hole Supercondcutors	Peter Tanui – Kabarak University	12.00-
		12.20
05 Landau Criteria for Superfluidity for a	Stanslous Obota – University of	12.20-
mixture of Boson & Fermions	Kabianga	12.40
LUNCH BREAK		
08 Origin of band inversion in topological	Stephen Chege Mbugua – Technical	2.00-
Bi2Se3 Author(s): Stephen Chege Mbugua1	University of Kenya	2.20
11 Spontaneous Polarization in BiGaO3	Joy Wanjiku – The Catholic University	2.20-
	of Eastern Africa	2.40
14 Synthesis, Characterization of ZnO	Lucy Chebor – Kabarak University	2.40-
Nanoparticles and their Application in		3.00
Removal of Heavy Metals from Waste Water		
09 The Interplay Of Lattice Distortion and	Patrick Ning'i – Technical University	3.00-
Bands Near The Fermi Level in	of Kenya	3.20
ATiO3(A=Ca,Sr, Ba)		
10Thermoelectric Transport Properties of Tin	Bill Oyomo – The Technical	3.20-
Selenide from First Principles Calculations	University of Kenya	3.40
17Ab Initio Study of Mechanical Properties of	Truphena Kipkwarkwar – Kabarak	3.40-
Lead Halide Perovskite For Photovoltaic	University	4.00
Application		
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4.00 – 4.20 PM Closing Remarks

NB: SLIGHT ADJUSTMENTS MAY COME IN DUE TO VC ADDRESS