

PROGRAMME



**THE CO-OPERATIVE
UNIVERSITY OF KENYA**
Empowering Communities



**SOCIETY OF EDUCATIONAL RESEARCH
AND EVALUATION IN KENYA**
Knowledge Creation and Dissemination

Society of Educational Research and Evaluation in Kenya (SEREK) In Collaboration with the Co-operative University of Kenya (CUK)

11th Annual Educational Research and Evaluation International Conference

Theme:

**Turning Challenges into Opportunities:
Implication in the 21st Century**

The Co-operative University of Kenya

22nd - 23rd October 2025

DAY ONE		WEDNESDAY 22 ND OCTOBER, 2025	
we		REGISTRATION - Sr. Dr. Pauline Kebenei/ Dr. Janet Mulwa	
EVENT		OPENING SESSION PLENARY	
VENUE		ROOM ONE	
MASTER OF CEREMONY		Dr. Joseph Otsyuloh/ Dr. Joseph Misati	
RAPPORTEUR		Dr. Josephine Kirimi	
8.40 AM - 8.45 AM		Welcoming Remarks: SEREK – Chairman – Prof. Paul Maithya - Patron – Prof. Paul Ogula	
8.45 AM - 8.55 AM		Introduction: SEREK Team, CUK organizing Committee, CUK Management, SEREK members, CUK Fraternity, Conference Participants	
8.55 AM – 9.55 AM		OPENING SPEECH: CHIEF GUEST: – Prof. Kamau Ngamau –Vice-Chancellor, The Co-operative University of Kenya	
9.55 AM - 10.15AM		GROUP PHOTO/ TEA-HEALTH BREAK	
EVENT		PARALLEL SESSIONS	
VENUE		Room 1	Room 2
SUB THEME		EDUCATION AND LIFELONG LEARNING	GLOBLE HEALTH AND WELL-BEING
CHAIR		Dr. Jacinta Wayua Nzina	Sr. Dr. Anne Lucy Achieng
RAPPORTEUR		Dr. Omundi Esther Obutu	Maranga Jared Mayieka
10.15AM - 10.30 AM		An Assessment of School Support Programme on Student Transition in Lagdera Sub County, Kenya <i>Owuor Paul Felix, Dr Aden Ali & n³ Dr Robert Machyo</i>	AI Ethics in Healthcare: Core Themes and Mitigation Strategies <i>Sr. Dr. Anne Lucy Achieng</i>
10.30 AM - 10.45 AM		Investigation of Teacher Preparedness in the Implementation of the Competence-Based Social Studies Learning Area in Junior Secondary Schools in Kenya <i>Dr. Jacinta Wayua Nzina & Dr. Jeremiah Mulinge Kawinzi (Ph.D.)</i>	Nexus Between Childhood Traumatic Experiences and Post- Traumatic Stress Disorder Severity Among Children Survivors of Post -Election Violence in Nakuru, Kenya <i>Jacinta Nduta King'ori¹ & Dr. Peter Muchemi²</i>
10.45 AM – 11.00		Balancing The Benefits and Risks of Artificial Intelligence in Academic Research and Policy Development <i>Dr. Omundi Esther Obutu</i>	“Put up latrines, we cannot go to the bush”: Children’s Voices in the Evaluation of a Community Water and Sanitation Project in Western Kenya <i>Prof Edward Ontita</i>
11.00 AM - 11.15 AM		Determining Administrative Challenges in Facilitating Integrating of Information Communication Technology in Teaching and Learning of Geography in Public Secondary Schools in Nyamira North Sub- County, Kenya <i>Kennedy Omwoki Moga & George Areba</i>	The Effect of Occupational Health and Safety Audit on Employee Performance in Sugar Firms Kakamega County, Kenya <i>Dr. Otsyuloh Joseph Okumu</i>

11.15 AM - 11.30 AM	Digital Citizenship and Moral Reasoning: Integrating Ethical Online Behaviour into Teacher Training Curriculum for Lifelong Safety and Responsibility in Kenya <i>Sr. Dr. Justina Ndaita</i>	Turning Cancer Care Challenges into Opportunities: A Secure Predictive Model for Caseload Management in Kenya <i>Maranga Jared Mayieka</i>	
11.30 AM - 11.45 AM	Education and Lifelong Learning in an Informal Setting <i>Sr. Dr. Elizabeth Ngozi Okpalaenwe</i>	"Bridging the Gap: Strengthening Global Health and Well-Being in Kenya" <i>Sr Dr. Anne Lucy Achieng</i>	
SUB THEME		SUSTAINABILITY AND CLIMATE ACTION	
11.45 AM - 12.00 PM	Influence of Class Teachers' Teaching Experience on the Self-Esteem of Orphaned Pupils in Public Junior Schools in Nairobi County, Kenya <i>Naomi Kanyua Musyoki, Dr. Mukolwe Asakhulu Newton & Dr. Maria Ntarangwe</i>	A Concept Map of Impacts of Climate Change on Ecological Succession and Climax Communities <i>Kennedy W. Nyongesa</i>	
12.00 PM -1.00PM	DISCUSSANT	DISCUSSANT	
1.00 PM - 2.00 PM	LUNCH BREAK		
EVENT	PARALLEL SESSIONS		
VENUE	Room 1	Room 2	
SUB THEME	EDUCATION AND LIFELONG LEARNING	SUSTAINABILITY AND CLIMATE ACTION	
CHAIR	Dr. Callen Nyamwange	Prof Edward Ontita	
RAPPORTEUR	Monica G. Ituma	Jacinta Nduta King'ori	
2.00 PM - 2.15 PM	Influence of Principals' Adequacy of Managerial Training on Resource Mobilization in Public Day Secondary Schools in Seme Sub County, Kisumu County, Kenya <i>Irene Awino Wamala, Prof. Ibrahim Wafula Khatete & Dr. Pauline Kebenei</i>	Community-Led Restoration of Soapstone Quarrying Sites through Indigenous Environmental Knowledge <i>Orucho Justine Amadi, Kirui Stella Phd, Sharyln Mukabwa & Leleito Haron</i>	
2.15 PM - 2.30 PM	Influence of Teacher Perception towards Adoption of Experiential Learning Model in Reading Comprehension Instruction among Secondary School Teachers, Likuyani, Kenya <i>Mukonyi M. Bwononi*, Ganira Khavugwi Lilian & Odundo Paul Amollo</i>	Impacts of Climate Change on Food Security and Agroecosystems in Africa: A Review <i>Kennedy W. Nyongesa</i>	
2.30 PM - 2.45 PM	Innovating for Tomorrow: Lifelong Learning and Educational Adaptability in the 21st Century <i>Callen Nyamwange, PhD & Ishmail Nyabuti, PhD</i>	Dryland Ecosystem Resource Use in Kenya: Informed Prudence Practices and Implications for Intergenerational Equity <i>Ezekiel Mwenzwa & Flora Namu</i>	
2.45 PM - 3.00 PM	Multimodal Pedagogical Skills of Kenyan English Secondary School Teachers <i>Jackton Otieno Midigo¹ & Lynnette Adhiambo Rakiro²</i>	Impacts of Climate Change on Terrestrial Ecosystems and Biodiversity and their Implications on Sustainable Development. A Review <i>Kennedy W. Nyongesa¹, Noah W. Sitati²</i>	
SUB THEME		TECHNOLOGICAL INNOVATION AND DIGITAL TRANSFORMATION	
3.00 PM - 3.15 PM	Parental Engagement in Higher Education: Public University Student's Perspectives in Kenya <i>Monica G. Ituma and Noel U. Otiende</i>	Adapting Mobile Technology to Enhance Access to Quality, Equitable and Inclusive Education in Fragile Contexts <i>George Ngwacho Areba¹, Titus Pacho¹, Antonella Trotta, John Yambo¹, Mildred Lumayo¹, and Norah Nyaiyo¹</i>	
3.15 PM - 3.30 PM	Predictive Models for Student Retention in Competency-Based Education: An Enhanced Framework for Junior School Transitions in Garissa, Kenya <i>Owuor Paul Felix, Kevin Macharia Nganga & Francis Sagwe</i>	Digital Innovation as a Catalyst for Future-Ready Vocational Education: Reimagining Pathways to Workforce Transformation <i>Josephine M. Maingi, PhD.</i>	

3.30 PM - 3.45 PM	Quality Expectations for 21st Century Graduates in Higher Education Institutions in Africa <i>By Felix Ngunzo Kioli</i>	Extent to which Internet Connectivity Enhances public employee's performance management information system in Monitoring Teachers' Job Performance in Public Secondary Schools in Dar-es-salaam, Tanzania <i>Anchilius Sylidion Rutashubanyuma & Prof. Evans Ogoti Okendo</i>	
3.45 PM – 4.00 PM	Rethinking the Efficacy of Higher Education Reforms Towards Enhancing Quality and Access in Kenya <i>Motanya Jared Ochwangi</i>	The Effect of Digital Lending on Financial Sustainability among Commercial Banks in Kenya <i>Patrick kivale Imbalo</i>	
4.00 PM - 4.30 PM	DISCUSSANT	DISCUSSANT	
4.30 PM - 5.00 PM	TEA-HEALTH BREAK/DEPARTURE FOR THE DAY		
DAY TWO	THURSDAY 23RD OCTOBER, 2025		
EVENT	MORNING SESSION PLENARY		
VENUE	ROOM ONE		
MASTER OF CEREMONY	Prof. Paul Maithya		
RAPPORTEUR	Dr. Josephine Kirimi		
8.00 AM - 9.00 AM	GUEST SPEAKER: Dr. Florence Kithinji – Kenya School of Government		
EVENT	PARALLEL SESSIONS		
VENUE	Room 1	Room 2	
SUB THEME	EDUCATION AND LIFELONG LEARNING	TECHNOLOGICAL INNOVATION AND DIGITAL TRANSFORMATION	
CHAIR	Dr. Stella Mang'uu	Dr. Gervas E. Assey	
RAPPORTEUR	Prudencienne Ugiriwabo	Monicah Wambui Hinga	
9.00 AM - 9.15 AM	The Effect of Supportive Organizational Climate on Management of Curriculum Change in Selected Lower Secondary Schools in Uganda <i>Rose Akullo¹, Kyalo Wambua¹, James Sang¹, Moses Geoffrey Nambale² & Richard Anywar³</i>	Vehicle Detection with YOLOv5 to Address Traffic Congestion in Nairobi, Kenya <i>Monicah Wambui Hinga, Simon Maina Karume</i>	
SUB THEME		AGRICULTURE AND FOOD SECURITY	
9.15 AM - 9.30 AM	Teacher Professional Development on Student Transition in Sankuri Sub County, Kenya <i>Owuor Paul Felix, Dr Aden Ali & Dr Robert Machyo</i>	A Review of Comparison between Agricultural Production and Food Security Using Conventional Methods and Nanotechnology <i>Dr. Gervas E. Assey, Rev. Dr. Jerome Manyahi, Emmanuel Mogusu, Fr. Stephen Minda and Evance Ulime</i>	
SUB THEME		CO-OPERATIVES AND SOCIETIES	
9.30 AM - 9.45 AM	The Role of School Leadership in Integrating ICT in Teaching and Learning in Secondary Schools in Rwanda: Opportunities, Challenges and Strategic Interventions <i>Prudencienne Ugiriwabo & Philothere Ntawiha</i>	Examining the Effect of Management Committee Diversity on Sustainable Financing in Dairy Cooperative Societies in Kenya <i>*Mburu Munyambu Zachariah, Esther Gicheru, Lucy Ngare & Denis Kamau Muthoni</i>	
9.45 AM - 10.00 AM	Transforming Education Strategies for Adopting learning systems to Meet the Evolving Demands of the 21st Century Workforce in Kenya <i>Prof. Paul M. Maithya & Dr. Stella Mang'uu</i>	Effect of Customer Orientation on Performance Dairy Farmers' Cooperatives <i>Mwanja Ben Kangale, Dr Odero Jackline & Dr. Kwendo Evans</i>	
10.00 AM - 10.30 AM	DISCUSSANT	DISCUSSANT	
10.30 AM - 11.00 AM	TEA-HEALTH BREAK		
EVENT	PARALLEL SESSIONS		

VENUE	Room 1	Room 2
SUB THEME	EDUCATION AND LIFELONG LEARNING	CULTURAL DIVERSITY AND SOCIAL COHESION
CHAIR	Dr Rose Mwanza	Dr. Ezekiel Mwenzwa
RAPPORTEUR	Duncan Nyale	Dr. Isaac Muiruri Gachanja
11.00 AM - 11.15 AM	Turning Challenges into Opportunities: Psychological and Educational Pathways to Gender Equity and Women Empowerment in Kenya <i>Callen Bonareri N & Gladys Nyaboike O</i>	Cultural Diversity and Social Cohesion <i>Sr. Dr. Elizabeth Ngozi Okpalaenwe</i>
11.15 AM -11.30 AM	Turning Communication challenges into Opportunities: Principals’ Role in Enhancing Students’ Success in the 21 st Century <i>Norman Musyoki, Dr Janet Mulwa & Dr Rose Mwanza</i>	The Dynamics of Regional conflict and its geopolitical ramification in the African Great Lakes Region <i>Ouma Calvin John</i>
SUB THEME		ECONOMIC RESILIENCE AND INCLUSIVE GROWTH
11.30 AM -11.45 AM	Turning Digital Skills Gaps into Opportunities: A Data-Driven Framework for Education and Workforce Development <i>Duncan Nyale¹ & Abrar Sharafat²</i>	Circular Economy and Its Influence on Customer Satisfaction Among Star-Rated Hotels in Kenya: Water Management Perspective <i>Juma, O. Alphonce¹, Pepela W. Anthony¹ & Okech, Roselyne²</i>
11.45 AM -12.00 PM	University Education in Kenya: Evaluating the Best, Good, Bad, and Worst Scenarios for Strategic Improvement <i>Paul M Maithya¹ & Paul A. Ogula²</i>	Kenya Vision 2030 as Tool for Social Protection and Socio-Economic Empowerment: A Critical Appraisal <i>Joseph Misati¹ & Ezekiel Mwenzwa²</i>
SUB THEME	LEADERSHIP AND GOVERNANCE IN CHANGING WORLD	ETHICS AND ARTIFICIAL INTELIGENCE
12.00 PM -12.15 PM	Leadership and Governance in a Changing World <i>Sr. Dr. Elizabeth Ngozi Okpalaenwe</i>	Meta-Analysis: The Intersection of Artificial Intelligence and Creativity in the Arts <i>Dr. Isaac Muiruri Gachanja (Ph.D) & Dr. Joseph Kithinji</i>
SUB THEME		SUSTAINABILITY AND CLIMATE ACTION
12.15 AM -12.30 PM		Rethinking Climate Resilience in Kenya: Harnessing Youth Participation for Effective Climate Action <i>Solomon N. Kimaita & Eric J. Irungu</i>
12.30 AM -12.45 PM		
12.45 AM -1.00 PM		
1.00 PM - 1.30 PM	DISCUSSANT	DISCUSSANT
1.30 PM - 2.00 PM	LUNCH BREAK	
2.00 PM – 3.30 PM	SEREK AGM/ CLOSING SESSION	
	ISSUANCE OF CERTIFICATES	
	DEPARTURE	