



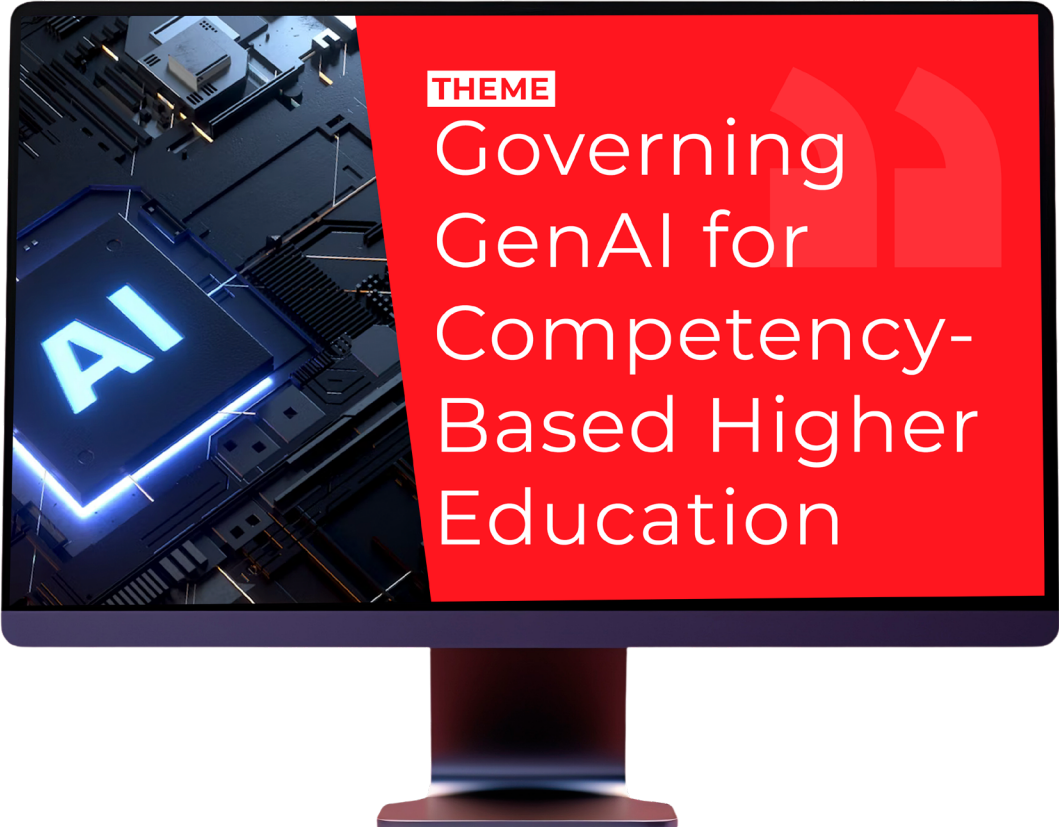
AGENDA

AI in Higher Education Summit 2026

14th - 16th October 2026 | Egerton University, Njoro

Governing GenAI for Competency-Based Higher Education





THEME

Governing GenAI for Competency- Based Higher Education

Background & Rationale

As higher education across Africa accelerates its transition toward Competency-Based Education (CBE) and outcome-driven frameworks, Generative AI (GenAI) presents both unprecedented opportunities and unique assessment challenges.

CBE requires students to demonstrate measurable, real-world skills and mastery rather than relying on passive rote learning or traditional written exams. GenAI can act as a powerful accelerator for self-paced, personalized competency acquisition, but it also necessitates a fundamental overhaul of how educators define, teach, and authentically evaluate student competence.

The 2026 Summit will serve as a forum for evaluating the tangible impact of Generative AI in Higher Education, showcasing empirical case studies, hands-on pedagogical applications, real-world user experiences, and AI-driven administrative workflows.

Crucially, the event will culminate in a hands-on policy development workshop that outputs an actual, adoptable institutional AI policy directly addressing the four core pillars of university operations: Learning, Teaching, Research, and Administration, with a strong emphasis on preserving authentic competency standards.



Summit Objectives

1 To provide a platform for sharing of the impact of GenAI across Learning, Teaching, Research, and Administration through the presentation of case studies by participants, with a focus on Competency-Based Education (CBE).

2 To develop a draft Institutional AI Policy on the use of GenAI in Learning, Teaching, Research, and Administration through a structured policy workshop.

SCAN ME



Day 1: 14th October 2026

Morning Session

Arrival & Registration 8:00 am – 8:30 am

Keynote - “GenAI-Augmented Learning and Competency Acquisition” 8:30 am – 8:45 am



Prof. Edward Ombui
Assistant Professor of Artificial
Intelligence, USIU-A

Participant Presentations & Interaction - 8:45 am – 10:15 am
“Impact of GenAI on Learning & Competency Acquisition”

1	Generative AI as a Diagnostic Coach for Farm Power and Machinery Competencies: A Competency-Based Learning Initiative	Rosaline Chelangat; Egerton University
2	AFRI-CIVIC AI: Governing Generative AI for Competency-Based and Inclusive Education in Africa	Derick Masakhwe; Egerton University
3	Optimising Student Mastery in CBE Through Grounded AI: A NotebookLM Case Study	Elim Isaac; Egerton University
4	Generative AI in Teacher Education: Exploring Its Role in Teaching and Learning among Teacher Trainees in Higher Education	Linet Mukami Lawrence & Erick Macharia Muiruri; Egerton University
5	Artificial Intelligence in Problem-Based Learning for Soils and Climate Studies at University Level	Joyce J. Lelei; Egerton University

Health Break & Networking 10:15 am – 10:45 am

Mid-Morning Session: Opening Plenary

***From Shadow AI to Institutional Integration:
Evaluating the Gap Between Organic Adoption
and Formal Governance in Higher Education***

10:45 am – 11:00 am



Dr Moses M. Thiga

Director ICT & Summit Converner

**Welcoming Remarks and an Overview
of the 2026 Summit**

11:30 am – 11:45 am



Prof Bernard Aduda

*DVC, Academic, Research and
Extension, Egerton University*

Welcoming Address

11:45 am – 12:00 pm



Prof George M. Muthaa, PhD

Ag Vice-Chancellor, Egerton University

**Opening Keynote - “Governing GenAI for
Competency-Based Higher Education”**

12:00 pm – 1:00 pm



Prof. Mike Kuria

*Commission Secretary/CEO,
Commission for University Education*

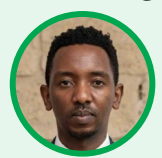
Lunch & Networking

1:00 pm – 2:00 pm

Afternoon Session: Gen AI in Teaching

**Keynote - “Instruction and Assessment in a
GenAI-Augmented Classroom”**

2:00 pm – 2:45 pm



Victor Mutua

Tunga AI

Participant Presentations & Interaction

- "Impact of GenAI on CBE Teaching & Authentic Assessment"

2:45 pm – 4:30 pm

1	<i>A Governed GenAI Framework for Competency-Based Content, Assessment and Learner Intervention at Egerton University's Ecampus</i>	<i>Felix M. Obegi, PhD; School of Distance Learning. (SoDLeL/eCampus), Egerton University</i>
2	<i>A Structural Framework for Educator-Driven Co-Creation in Course Design and Instructional Planning</i>	<i>Dr Mary Mutiga; Egerton University</i>
3	<i>AI-Enabled Paradigm Shift Towards Competency-Based Agricultural Training: The Case of AGED 324</i>	<i>Miriam Kyule; Egerton University</i>
4	<i>Assessing Competence When the Machine Can Compose: Governing GenAI in Kenyan University Music Education</i>	<i>Amon Kipyegon Kirui, Kabarak University, Kenya; University of Venda, South Africa</i>
5	<i>The AI-Enabled Academic: A Beginner's Practical Perspective And Policy Suggestions</i>	<i>Hellen W. Sang, University of Kabianga</i>

Wrap-up & Day 1 Synthesis

4:30 pm – 5:00 pm

Day 2: 15th October 2026

Morning Session: Gen AI in Research and Practice

Arrival & Registration

8:30 am – 9:00 am

Keynote - "Productivity, Integrity, and Ethics in GenAI-Augmented Research"

9:00 am - 9:45 am



Prof Paul Kamweru

Dean, Faculty of Science and Technology, Chuka University

Participant Presentations & Interaction -
“Impact of GenAI on Research

9:45 am – 10:45 am

1	<i>From Data to Discoverability: Responsible Generative AI, Research Metadata and Environmental Research Transformation in African Higher Education</i>	<i>Oscar Omondi Donde; Egerton University</i>
2	<i>A GenAI Workflow for Publishable Postgraduate Literature Reviews</i>	<i>Margaret Njeri Ng'ang'a; Egerton University</i>
3	<i>A Practical Human-in-the-Loop Evaluation Guide for AI-Assisted Research Proposals</i>	<i>Dr Moses Thiga; Egerton University</i>

Health Break 10:45 am - 11:15 am

Mid-Morning Session: Gen AI in Administration

Keynote - “Administrative Excellence and Efficiency in GenAI-Augmented Higher Education”

11:45 am – 12:00 am



Ms Vera Obonyo

Deputy Director, e-learning and
Information Technology Institute,
Kenya School of Government

Participant Presentations & Interaction -
Impact of GenAI on Administration

12:00 am – 1:00 pm

1	<i>Digital Innovations for Responsive University Administration: AI-Assisted Academic Record Accountability and Stakeholder Engagement</i>	<i>Dr. John Bett; Egerton University</i>
2	<i>Introducing JITA Empowered Learning</i>	<i>Paul K. Korir. Sci2Pro</i>
3	<i>Leveraging Google Workspace Studio and Gemini for Email-Based Issue Resolution Tracking</i>	<i>Dr Moses Thiga; Egerton University</i>
4	<i>Claude as a Security Co-Worker: Generative AI in Cybersecurity Operations at Egerton University</i>	<i>Paul Kahenya; Egerton University</i>
5	<i>Classroom to the Global Economy: AI-Powered Pipeline for Kenya’s Demographic Dividend</i>	<i>Dr Kiroi Mindo. ICT Strategy and Digital Advisor; Formerly- USAID KEA</i>

Lunch & Networking

1:00 pm – 2:00 pm

Track 1: AI Policy Drafting Workshop

Workshop Briefing & Drafting Methodology

2:00 pm – 2:30 pm

Parallel Breakout Drafting Groups (Participant-Driven)

2:30 pm – 4:30 pm

- **Group 1: GenAI in Learning Policy**

Drafting clauses on acceptable student AI usage, adaptive tool integration, CBE self-paced mastery, cognitive skill preservation, student conduct, and digital citizenship.

- **Group 2: GenAI in Teaching Policy**

Drafting clauses on acceptable faculty AI usage, AI disclosure, pedagogical redesign, authentic performance-based assessment standards, rubric alignment, and human-in-the-loop instruction.

- **Group 3: GenAI in Research Policy**

Drafting clauses on acceptable researcher AI usage, research governance, authorship attribution, data handling, research data integrity, and national regulatory compliance.

- **Group 4: GenAI in Administration Policy**

Drafting clauses on acceptable administrative AI usage, administrative process automation, student data privacy, cloud vendor procurement, and institutional data security.

Group Rapporteur Synthesis & Adjournment

4:30 pm – 5:00 pm

Track 2: AI for Safe, Smart and Sustainable Food Systems: Student Innovation and Entrepreneurship Showcase

Welcoming Remarks



Prof Paul Kimurto

PI, Food Safety Project

Opening Remarks - Setting the scene: AI, Food Safety and the Future of Food Systems



Prof Bernard Aduda

DVC, Academic, Research and Extension, Egerton University

Setting the scene: AI, Food Safety and the Future of Food Systems



Prof. George Owuor

Director, Research and Extension - Egerton University

EU-iHub Student Innovation Pitches

Facilitators: Prof Kimurto/Dr Ingasia/Dr Momanyi

Evaluators: Prof Nyaanga (Chair), Dr Njue, Dr Bosire, Dr Kibiwot

Pitch 1: (Cyber-SOC) AI-powered Cybersecurity monitoring and investigation system for Kenyan organizations	Erick Mutua and team
Pitch 2: (ForgeDocs) An AI workspace that cuts research grant preparations from weeks to minutes	Brian Githu and team
Pitch 3: (Kumbuka AI) An AI assistant for people with memory difficulties or early cognitive decline	Moses Onyango and team
Pitch 4: AI application in Automated irrigation increased Productivity of Horticultural Crops in Kenya	Antony Ima, Bandon Mutegi, Christine Nyakio, Hezron Kibet, Vitalis Kibiwot
Pitch 5: AI Load Adaptative Motorized Mkokoteni for Efficient and Drudgery in Farm transport	Kiplimo Brian, Eidd Khadija, William Kemei, Jeremiah Kireru, Vitalis Kibiwot,
Pitch 6: Automated AI Chips chopping Machine for Reduced labor in Potato value addition for Consumer industry	Ongeri Brian, Robert Muloki, Francis Murethi, Vitalis Kibiwot
Pitch 7: AI in cooling systems for efficient Vinegar Production for Pesticides application in Crop production	Dennis Ogeta, Ayub Razuki, Vitalis Kibiwot, Nyaanga



Paper Presentations

Optimization of Agricultural Drone Spraying for Enhanced input Application Efficiency and Maize Productivity in Kenya

Sheila Chepkirui, Patrick Wamalwa, Paul Kimurto and Daniel Uyeh

Innovative approaches in the Management of Aflatoxins in Groundnuts in Drylands of Kenya

Tracy Jayo, Paul Kimurto, George Owuor, Miriam Charimbu, Peter Akoko, Milka Wambua, James Kiplagat, Ben Ongaro

Integrated approaches for enhancing nutritional qualities, Aflatoxin contamination and Traceability in Groundnuts

Milka Wambua, Paul Kimurto, George Owuor, Miriam Charimbu, Peter Akoko, Tracy Jayo, James Kiplagat

Plenary

Report of winning pitching students by the panel of evaluators

Awards and Closing

Day 3: 16th October 2026

Morning Session: Policy Presentation Plenary

Arrival & Registration 8:30 am - 9:00 am

Policy Presentations & Plenary Review 9:00 am - 11:00 am

Health Break 11:00 am - 11:30 am

Mid-Morning Session: Closing Plenary (Speakers & Institutional Leaders)

Policy Communiqué 11:30 am – 12:15 pm

Closing Keynote - “The Institutional Imperative for Governing GenAI in Competency-Based Higher Education” 12:15 pm – 12:45 pm



Prof George Muthaa

Ag Vice-Chancellor, Egerton University

Vote of Thanks 12:45 pm – 1:00 pm

Lunch & Networking 1:00 pm



AI in Higher Education Summit 2026

14th - 16th October 2026
Egerton University, Njoro

THEME

Governing GenAI for Competency-Based Higher Education



©ELIB

TAGDev 2.0

SAFE FOODS REFERENCE
LABORATORY

REIMAGINE