KWAME NKRUMAH UNIVERSITY OF SCIENCE AND TECHNOLOGY
E-LEARNING CENTRE

E-LEARNING INTERNATIONAL CONFERENCE 2024
JULY 11 – 12, 2024

Theme: "Fostering Excellence In E-Learning Across Diverse Disciplines:
Progress, Challenges, And Prospects"

Venue: Great Hall, KNUST

Thursday July 11, 2024	
8:00 – 9:00	Registration of Participants
9:00 – 9:05	University Chaplain **Opening Prayer**
9:05 – 9:10	Prof. Eric Appau Asante (Director of E-Learning Centre, KNUST, Kumasi) **Purpose of Conference and Expected Outputs**
9:10 – 9:20	Prof. Rita Akosua Dickson (Vice-Chancellor, KNUST, Kumasi, Ghana) **Vice Chancellor's Address**
9:20 – 10:05	Keynote speaker - Professor Colin Riordan [Secretary-General and Chief Executive, Association of Commonwealth Universities (ACU)] **Fostering Excellence In E-Learning Across Diverse Disciplines: Progress, Challenges, And Prospects**
10:05 – 10:10	Centre for National Culture, Kumasi **Cultural Performance**
10:10 – 10:50	Guest of Honour - Hon. Dr. Yaw Osei Adutwum (Minister of Education, Ghana) **Technology Integration In Education: Exploring The Seamless Integration Of Digital Tools And Technologies Across Diverse Academic Disciplines**

10:50 – 10:55	**Interlude**
10:55 – 11:15	Presentation – Phil Baty (Chief Global Affairs Officer, Times Higher Education) **The Role Of Digitalization In Higher Education Ranking.** *Virtual*
11:15 – 11:20	Prof. Rita Akosua Dickson (Vice-Chancellor, KNUST, Kumasi, Ghana) **Official Opening of Conference/ End of the opening ceremony**
11:20 – 11:25	Dr. Kwadwo Boakye Boadu (Chairman, Planning Committee) **Announcement**
11:25 – 11:35	Group Photograph
11:35 – 11:45	Prof. Rita Akosua Dickson (Vice-Chancellor, KNUST, Kumasi, Ghana) **Opening of Exhibition and Poster Presentation**
11:45 – 12:00	Snack break/Exhibition/Poster Presentations
12:00 – 12:20	Presentation - Avi Warshavski (Founder and CEO of MindCET EdTech Innovation Center; Member of the Board of Directors of The Center for Educational Technology, Israel) **Educating AI: Unleashing The AI Potential To Create A Change In Education**
12:20 – 12:50	Panel Discussion – Mr. Adeniyi Emmanuel (Regional Engagement Lead for Africa, Association of Commonwealth Universities); Dr. Edmund Aalangdong (Head of Policy, Ghana Tertiary Education Commission), Prof. Fredrick Ato Armah (Director, Research and Programmes, Association of African Universities) Chairman - Prof. Ahmed Agyapong **Global Outlook For Online Learning**
12:50 – 13:00	Coffee break

MC: Mr. James Kwasi Oberko / Mr. Christopher Addo
Rapporteur: Alice Bagyiereyele Lakyiere

PARALLEL SESSION (ORAL PRESENTATIONS)

Room 1 – Israeli Innovations
Chair: Francesca Ofori-Ndinya   **Rapporteur:** Mr. Godfred Yeboah
Venue: Great Hall Conference Room   **Technical Head:** Martin Sefa Anno

13:00 - 14:40	Avi Warshavski (Founder and CEO of MindCET EdTech Innovation Center; Member of the Board of Directors of The Center for Educational Technology, Israel) **Exploring Educational Technologies From The Start-Up Nation**

Room 2 - Emerging Trends and Inclusivity in E-Learning

Chair: Prof. Anthony Andrews   **Rapporteur:** Mr Benjamin Prempeh
Venue: OGR Board Room   **Technical Head:** Isaac Newton Segbedzi

13:00 – 13:15	Frank Senyo Loglo, John Y. H. Bai, Olaf Zawacki-Richter (Carl von Ossietzky Universität Oldenburg, Germany) **Future Prospects Of Artificial Intelligence In Higher Education: Educators' Perspectives From A Digitally Challenged Context**
13:15 – 13:30	Ruby Bafu (University of Wisconsin-Madison, USA) **Online Learning, Intersectionality, and K-12 Students' Experiences**
13:30 – 13:45	Olubusayo Asikhia (Lagos State University of Education, Nigeria) **Perceived Adaptability Performance Of Educational Psychology Lecturers In Lagos State Colleges Of Education, Nigeria: Implications For Fostering Excellence In E-Learning.** *Virtual*
13:45 – 14:00	Elizabeth Funmilola Akinyooye (University of Ibadan, Nigeria) **Leveraging Technology to Enhance Safety Training in the Construction Industry.** *Virtual*
14:00 – 14:20	Guest Presentation – Dr. Abena Asomaninwaa Antwi [Managing Director, Africa Environmental Sanitation Consult (AfESC), Jospong Group of Companies]

Industry And Innovation: Focusing On The Use Of E-Technologies And Digital Tools In Industry

14:20 – 14:40	QnA

Room 3 - Policy, Leadership, and Professional Development

Chair: Prof. Winston Abroampa　　　　**Rapporteur:** Lawyer Kofi Anang
Venue: Great Hall Main Auditorium　　**Technical Head:** Edwin Edem Adedze

13:00 – 13:15	Jordan Nuzala, Jonas Sowah Laryea (Simon Diedong Dombo University of Business and Integrated Development Studies, Ghana) **Linking Proprietors' Intellectual Leadership To Sustainable Teaching Performance: The Roles Of Teachers' Intellectual Agility And Workplace Innovation Climate**
13:15 – 13:30	Christopher Addo, Edmund Nelson Amasah, Andrew Kofi Annan (Kwame Nkrumah University of Science and Technology, Ghana) **Navigating The Landscape Of Policy And Regulatory Standards In E-Learning In Ghana**
13:30 – 13:45	Abiola Omokhabi, Uchechukwu Charles Osu (University of Ibadan, Nigeria) **Resource Availability and Accessibility as Determinants of E-Learning Utilisation in Selected Nigerian Universities**
13:45 – 14:00	Abbas Alhaji Usaini (Jigawa State College of Education, Nigeria) **Impact and Influence of Social Media and AI Tools Use for Educational Performance on E-Learning in Jigawa State College of Education Students.** *Virtual*
14:00 – 14:20	Guest Presentation – Mr. Lawrence Sarpong (Deputy Registrar, Operations, National Teaching Council, Ghana) **Teacher Professional Development: Addressing The Importance Of Training Educators To Create And Implement Inclusive Digital Learning Strategies**
14:20 – 14:40	QnA

Room 4 - Digitalization Across Disciplines and Sectors

Chair: Rogers Sithole   **Rapporteur:** Miss Diana Nti Appiah
Venue: Main Library   **Technical Head:** Ebo Arthur

Time	Presentation
13:00 – 13:15	Emmanuel Oppong (Seventh-day Adventist College of Education, Ghana), Eric Appiah-Twumasi, Ebenezer Ekow Mensah (AAMUSTED, Ghana), Kenneth Darko Ateko (St. Joseph's Seminary Senior High School, Ghana) **Digital Transformation In Education: Challenges, Effectiveness, And Perceptions Of Computer-Assisted Instruction Application In Physics Classroom**
13:15 – 13:30	Solomon Ojedeji, Rashid Aderinoye, Oyedunni Arulogun, Tolulope Gbadamosi, Omobola Adelore, Abiola Omokhabi, Uchechukwu Osu, Rosheedat Adeniji, Rukayat Ogundipe, Oluwamayowa Adebayo (University of Ibadan, Nigeria), Morufu Oyebamiji, Joy Ezeala (University of Port-Harcourt, Nigeria), Ladan Babangida, Auwalu Halilu (Bayero University, Kano, Nigeria) **The Role of the Social Media in Driving Preventive Education in Nigeria during a Global Pandemic**
13:30 – 13:45	David Ababio Awuni, Rose-Mary Owusuaa Mensah Gyening, Frimpong Twum (Kwame Nkrumah University of Science and Technology, Ghana) **Enhancing Student Engagement in Online Lecture Streaming Platforms through Real-time Quizzes**
13:45 – 14:00	Anas Ibrahim Wumpini, Nash Nyarko, Akyea Betty Amponsah, Stella Afi Makafui Yegblemenawo, Bernard Ampong (Kwame Nkrumah University of Science and Technology, Ghana) **Revolutionising The Language Learning Experience: The Case Of Virtual Reality**
14:00 – 14:15	Marius Storvik (UiT The Arctic University of Norway, Norway) **The Role Of Podcasts In Norwegian Legal Education: Insights From "JUSS & JÅSS"**
14:15 – 14:30	Guest Presentation – Prof. Wilberforce A. Owusu-Ansah (Africa Higher Education Health Collaborative Project, KNUST, Ghana)

	Digital Transformation In The Health Sector: Lessons From The Mastercard Health Collaborative Project
14:30 – 14:40	QnA
14:40 – 14:55	**PLENARY DISCUSSION** **Chair:** Prof. I. K. Dontwi
14:55 – 15:00	Dr. Kwadwo Boakye Boadu (Chairman, Planning Committee) **Closing Remarks**
15:00 – 16:00	Lunch Break

Friday July 12, 2024

8:00 – 9:00	Registration of Participants
9:00 – 9:05	**Opening Prayer**
9:05 – 9:20	Dr. Linda Amoako Banning (Chief Rapporteur) **A recap of key activities for day 1**
9:20 – 9:50	Presentation - Dr. Aras Bozkurt [Assoc. Professor of Distance Education, Anadolu University, Open Education Faculty Eskişehir, Turkey] **Generative AI In The Educational Landscape: The Hypes And Promises.** ***Virtual***
9:50 – 10:00	Video Documentary **KNUST E-learning Initiatives**
10:00 – 10:30	Presentation – Dr Sam Awuku [Key Advisor, Leadership, Institutional Development & Secondary Education, T-TEL, Ghana] **Innovative Pedagogies For E-Learning Excellence: Lessons From T-TEL**
10:30 – 10:50	One-on-One Interaction with Professor Colin Riordan: **International Partnerships And Emerging Trends In Global Higher Education**
10:50 – 11:05	Snack break/Exhibition/Poster Presentations

MC: Prof. Hannah Vivian Osei
Rapporteur: Alice Bagyiereyele Lakyiere

PARALLEL SESSION (ORAL PRESENTATIONS)

Room 1 – Innovative Pedagogy and Technology Integration

Chair: Mr. Frank Loglo Senyo   **Rapporteur:** Mr. Seth Mawuli Yaw Amehe
Venue: Great Hall Conference Room   **Technical Head:** Martin Sefa Anno

Time	Presentation
11:05 – 11:20	Cynthia Fofo Dsane (Mount Mary College of Education, Ghana) **Using Social Media For Assessment Of Teaching Practice: Pedagogical Training And Practises**
11:20 – 11:35	Daniel Korsah (Komenda College of Education, Ghana) **Acceptance of Google Classroom: An Exploratory Study Using UTAUT Approach**
11:35 – 11:50	Boluwatife Emmanuel Oyekunle, Taofeek Gbolahan Muibi (University of Ibadan, Nigeria) **Assessing The Impacts Of Quality Assurance Measures On Students' Learning Effectiveness At The University Of Ibadan's Distance Learning Centre, Nigeria**
11:50 – 12:05	Keren-Happuch ZOE, Ralitsa Diana Debrah, Adams Rahman (Kwame Nkrumah University of Science and Technology, Ghana) **Enhancing E-Learning Through Effective Information Design: A Practical Analysis Of Selected Materials**
12:05 – 12:25	Guest Presentation - Prof. Edward Appiah (Director General, National Council for Curriculum and Assessment, Ghana) **Innovative Methods For Assessing Learning Outcomes In Diverse Disciplinary Contexts**
12:25 – 12:45	QnA

Room 2 - Emerging Trends and Inclusivity in E-Learning

Chair: Dr. Kennedy Ameyaw Baah **Rapporteur:** Mr. Eric Okpoti
Venue: OGR Board Room **Technical Head:** Isaac Newton Segbedzi

11:05 – 11:20	Eric Appiah-Twumasi (Akenten Appiah-Menka University of Skills Training and Entrepreneurial Development, Ghana), Kenneth Darko Ateko (Joseph Seminary/Senior High School, Ghana), Veronica Sarpong (Osei Kyeretwie Senior High School, Ghana), Simon Tanko **Efficacy Of Flipped Learning Pedagogy On Senior High School Physics Students' Retention And The Nature Of Feedback On Electronics Studies**
11:20 – 11:35	Tolulope Victoria Gbadamosi (University of Ibadan - Ibadan, Nigeria) **Examining The Influence Of Technology Attitude, Operations, And Gender On Digital Teaching Competence: A Study Of Economics Pre-Service Teachers In Oyo State, Nigeria**
11:35 – 11:50	Ikmat Junaid (University of Ibadan, Nigeria) **Students' Cohesion And Voice Engagement Dynamics In Nigerian University Classrooms**
11:50 – 12:05	Kwadwo Boakye Boadu, Joana Serwaa Ameyaw (Kwame Nkrumah University of Science and Technology, Ghana) **Usage patterns and demographic factors influencing e-learning platforms' Usage by Undergraduate Students in the Multidisciplinary Degree Programme in Packaging Technology**
12:05 – 12:25	Guest Presentation - Greg Heiberger (Associate Dean of Academics & Student Success, South Dakota State University, USA) **Emerging Trends In Multidisciplinary Online Teaching And Learning Environments: Emerging Trends, Technologies, And Methodologies Shaping The Future Of E-Learning Across Disciplines.** *Virtual*
12:25 – 12:45	QnA

Room 3 - Policy, Leadership, and Professional Development

Chair: Prof. Dadson Awunyo-Vitor   **Rapporteur:** Ebenezer Senyo
Venue: Great Hall Main Auditorium   **Technical Head:** Edwin Edem Adedze

11:05 – 11:20	Bertha Wallah (Ghana Communication Technology University, Ghana), Frank Senyo Loglo (Carl von Ossietzky Universität Oldenburg, Germany) **An Institutional-Level Assessment Of Support Services For Odde In Selected Ghanaian Universities**
11:20 – 11:35	Akwasi Adomako Boakye (Kwame Nkrumah University of Science and Technology, Ghana) **Design and Development of Pedagogical Agent Persona to Enhance Project-Based Learning in Ghanaian Senior High Schools**
11:35 – 11:50	Dzifa Abra Attah, Mawusie Seth Asafo, Jonathan Kuma Gavi, Angela Lamensdorf Ofori-Atta, Sammy Ohene (University of Ghana, Ghana), Alexa Beaulieu, Dror Ben-Zeev, Anna Larsen (University of Washington, USA), Kwadwo Marfo Obeng (Accra Psychiatric Hospital, Ghana) **Facilitating Uptake Of A Digital Toolkit (M-Healer) To Improve Care For People With Serious Mental Illness In Ghana: Cross-Cultural E-Training.**
11:50 – 12:05	Matthew Nyaaba, Xiaoming Zhai (University of Georgia, USA) **Towards Responsible AI Use: Innovative Assessment In Education**
12:05 – 12:20	Bamikole Fashogbon (University of Ibadan, Nigeria) **Nigeria Central Bank Cashless Monetary Policy and Sustainability of Small Scale Businesses: A Clarion Call for Adult and Non-Formal Education Interventions**
12:20 – 12:35	Guest Presentation - Dr. Edmund Aalangdong (Head, GTEC Policy, Ghana) **Policy And Regulatory Standards In E-Learning: The Development And Implementation Of Policies And Standards That Promote Excellence In E-Learning.**
12:35 – 12:45	QnA

Room 4 - Digitalization Across Disciplines and Sectors

Chair: Prof. Ebenezer Malcalm **Rapporteur:** Elisha Soglo-Ahianyo
Venue: Main Library **Technical Head:** Ebo Arthur

11:05 – 11:20	Evans Obu (University of Mines and Technology, Ghana) **Optimizing Student Learning Environments Through Fog Computing-Powered Smart Seating Systems: A Comparative Study**
11:20 – 11:35	Fred Asare (All Nations University, Ghana) **The Impact Of Blended Learning On Knowledge Sharing And Skills Development Amongst Students At All Nations University, Ghana**
11:35 – 11:50	Prince Ebenezer Adjei, John Amuasi (Kumasi Center for Collaborative Research in Tropical Medicine, Ghana) **Harnessing E-Learning To Enhance Global Health Research and Capacity Building**
11:50 – 12:05	Stephen Twumasi (Kwame Nkrumah University of Science and Technology, Ghana) **Conventional renal markers are insensitive to early stages of nephropathy in steady state sickle cell disease patients. A case-control study in Ghana**
12:05 – 12:25	Guest Presentation - Prof. Ebenezer Malcalm (Dean, School of Graduate Studies, Ghana Communication Technology University) **Assessment Of Instructor Readiness Towards E-Learning Implementation In Senior High Schools In Ghana**
12:25 – 12:45	QnA

12:45 – 13:05	**PLENARY DISCUSSION** **Chair:** Prof. I. K. Dontwi
13:05 – 13:40	Presentation – Major General Richard Addo Gyane [Commandant, Kofi Annan International Peacekeeping Training Centre (KAIPTC), Ghana] **Strategic Management In Promoting E-Learning Excellence**
13:40 – 14:10	Award Presentation - Prof. Eric Appau Asante (Director of E-Learning Centre, KNUST, Kumasi)
14:10 – 14:25	Professor Colin Riordan [Secretary-General and Chief Executive, Association of Commonwealth Universities (ACU)] **Keynote Speaker's Final Reflections**
14:25 – 14:35	Prof. Rita Akosua Dickson (Vice-Chancellor, KNUST, Kumasi, Ghana) **Closing Remarks**
14:35 – 14:40	Dr. Kwadwo Boakye Boadu (Chairman, Planning Committee) **Announcement**
14:40 – 14:45	University Chaplain **Closing Prayer**
14:45 – 15:05	Lunch

MC: **Ms. Anita Akua Kyerewaa Kuma**

POSTERS

Evans Obu (University of Mines and Technology, Ghana)
A Novel Smart Campus Framework That Uses Blockchain For Information Security And Fog/Edge Computing For Scalability

Emmanuel Oppong, Gadafi Iddrisu Balali (Seventh-day Adventist College of Education, Agona – Ashanti, Ghana)
Computer-Assisted Instruction In Teaching Science – A Synoptic Review

Joseph Ansah (Kwame Nkrumah University of Science and Technology, Ghana)
Determination Of The Learning Moods Of Online Learners Using Emotion Modeling In Speech Signals Using Feature Extractions And Machine Learning

Eric Appau Asante, Dylan Harold Abakah, Daniel Obeng Atuah, David Kwesi Nketiah Arthur (Kwame Nkrumah University of Science and Technology, Ghana)
Towards Sustainable Futures: Empowering Industries With Digital Literacy On E-Technologies Through Academia-Industry Partnership

Eric Appau Asante, Dylan Harold Abakah, Daniel Obeng Atuah (Kwame Nkrumah University of Science and Technology, Ghana)
Building a Resilient Administrative Ecosystem Through a Collaborative Digital Culture: A Journey from Paper to E-administration

Isaac Gyasi, kąrî'kachä seid'ou, Sylvester Kwame Lumor, Luke Amateye Tettehfio (Kwame Nkrumah University of Science and Technology, Ghana)
Iconic On-Loom Tapestry Imagery Weaving Dubbed "Nkrumah Never Dies" Using Asante Traditional Kente And Ewe Kete Inspired Digital Concepts.

Luke Amateye Tettehfio (Kwame Nkrumah University of Science and Technology, Ghana), Hubert Asiwome Amevor (Ada College of Education, Ghana), Emmanuel Agbenyegah Ayerteye (Mt. Mary College of Education, Ghana)

Impact Of E-Portal System On The Teaching Practicum Skills Of Trainee Teachers: A Case Study Of The Ada And Mt. Mary Colleges Of Education

Luke Amateye Tettehfio (Kwame Nkrumah University of Science and Technology, Ghana), Emmanuel Agbenyegah Ayerteye (Mt. Mary College of Education, Ghana), Hubert Asiwome Amevor (Ada College of Education, Ghana)

Development Of E-Portal System For Improved Teaching Practicum Of Teacher Trainees In Ghana: A Case Study Of The Ada And Mt. Mary Colleges Of Education.

Kofi Ayebi-Arthur (University of Cape Coast, Ghana)

The Impact of Flipped Classrooms on Student Learning in Blended Learning Programmes: Benefits, Challenges, and Strategies for Success

Olufemi Adebayo Abiona, Ihezie Donatus Ukpabi (University of Ibadan, Nigeria)

Contemporary Issues and Prospects of Teacher Professional Development in Nigeria

Ihezie Donatus Ukpabi, Olufemi Adebayo Abiona (University of Ibadan, Nigeria)

Assessment of the Quality and Relevance of Vocational Education and Training (Vet) in Ibadan, Oyo State

David Azanu (Kwame Nkrumah University of Science and Technology, Ghana)

Virtual Environmental Analysis Laboratory in Ghanaian Tertiary Education: Challenges, Prospects, and Advancement