



African Interdisciplinary Studies Association (AISA)

&

Multimedia University of Kenya



Call for Papers for the 16th International Interdisciplinary Conference, to be held in Nairobi, Kenya on June 25 - 27, 2025 at Multimedia University of Kenya (online and in-person options - Hybrid Platform)

General conference theme: “New Frontiers of Development Opportunities”

Conference Venue: Multimedia University of Kenya, Nairobi, Kenya and face to face and online

Sponsors: Multimedia University of Kenya, Kenya Scholars and Studies Association (KESSA), Centre for Democracy, Research and Development (CEDRED) and African Interdisciplinary Studies Association (AISA)

There are many New Frontiers of Development Opportunities which have emerged on the African continent in the recent past, inspired by Artificial Intelligence and other ideas. There are new developments and opportunities in sports, health, engineering, transport, communication and media, education, science and technology, agriculture, minerology, livestock, fisheries, economic, metallurgy, energy and indigenous knowledge systems, cultural and political developments, which call for more innovations, inventions and discoveries in all sectors. The new development opportunities in Africa need African silicon valleys, industrial parks and hubs and other development initiatives useful to continual industrial take-off. There is need for all sectors on the continent to be revived in order to create new impetus for Africa’s development stimulus. The conference is anchored in the belief and realization that the West or East will not be the way because they have vested interests which may not be in line with those of the continent. The contention is that countries which have developed have not done so based on external aid but internal innovation. Africa’s relations with China have not created different dynamics from those of the West. Africa needs to get out of the dependence on donor support and aid in order to create new opportunities for the continent. We invite critical and research papers for the 2025 conference, hoping that the conference will provide an opportunity for scholars from Africa and outside to share their research on new development opportunities to harness the great potential on the African continent through collaboration with partners on equal basis. We encourage senior scholars, junior scholars and students to submit abstracts for the conference which we anticipate will surpass the 1,000 record we established in the pre-Covid-19 era, with the support of everyone.

Organized and hosted by **Multimedia University of Kenya, African Interdisciplinary Studies Association (AISA) and the Centre for Democracy, Research and Development (CEDRED)**, this 16th International Interdisciplinary Conference will be held on **June 25 to 27, 2025** at Nairobi, Kenya. The conference will bring together scholars from all over the world to make presentations on matters that touch on research and development in Africa. **Submission of abstracts:** Send abstracts of between 250 and 300 words, including full contact details (title, name, address, email-address, and telephone) as well as institutional affiliation by **March 30 2025** to Prof. Maurice N. Amutabi and Prof. (Eng) Abel Mayaka at mauriceamutabi@gmail.com or neddylinnet@gmail.com or Amutabi@yahoo.com or Amutabi@gmail.com or centrefordrd@gmail.com or amayaka@mmu.ac.ke

The deadline for submission of full papers or PowerPoint presentation (one of them is adequate) is May 30, 2025. Most papers presented at the conference will be selected and published in peer-reviewed edited volumes and journals – Journal of African Interdisciplinary Studies (JAIS) and Journal of Popular Education in Africa (JOPEA), and International Journal of African Business Studies 0 IJABS - affiliated to African Interdisciplinary Studies Association (AISA) and the Centre for Democracy, Research and Development (CEDRED), based in Nairobi, Kenya. Each person is allowed to submit a maximum of 3 papers. We encourage authors of papers not to have too many authors. The official language of the conference is English. The conference will consist of twenty colloquia organized along relevant themes.

Important Dates

Deadline for submission of abstracts – **March 30, 2025**

Deadline for submission of PowerPoint presentation or full papers **May 30, 2025**

The first book will come out starting **April 30, 2025** for early papers submitted.

Conference dates – **June 25 - 27, 2025**

Registration Fees:

1. Staff from East African Universities and Organizations (face to face presentation: US\$ 50 (KES 5,000); Online Presentation: US\$40 (KES. 4,000)
2. Rest of Africa (face to face, US\$ 70, Online Presentation US\$50)
3. Rest of the World – Europe, North America, Asia, etc face to face US\$ 100, Online Presentation US\$80)
4. Exhibition and advertising stand - US\$ 100

Registration Fee Payments to: Center for Democracy, Research and Development (CEDRED), Nairobi, Kenya

Make payments to **Sidian Bank, Kenya**

Account Name: Centre for Democracy, Research and Development (CEDRED)

Bank and Branch: Sidian Bank, Kilimani Branch, Nairobi

Account No 01036020019082

Swift code: SIDNKENA

Colloquium 1: AI, Climate Change, Climate Resilience and Mitigation and New Development Trends in the World

Sub Themes:

- a. New Frontiers of Development Opportunities, Artificial Intelligence (AI), Climate Change, Risk Assessment & New Paradigms
- b. AMS Community Synthesis on Innovation and Entrepreneurship in the Geosciences
- c. AI, Global Environmental Change, Workforce Needs, and New World Order
- d. Framework for the Advancement of Inclusion, Equity, and Justice in the Weather, Water, and Climate Enterprise for Vulnerable and Special Populations
- e. Blue Economy, Coastal Communities, Coastal Information Needs through Tailored Scientific Assessment and Sustainable Development
- f. AI, Weather-Water-Climate Value Chain(s): Giving VOICE to the Characterization of the Economic Benefits of Hydro-Met Services, Products and Services
- g. The Intersection of Socioeconomic Status & Climate Change Risks & Hazards in the World Waters, Oceans, Seas, Lakes, Rivers and Streams
- h. Government, Communities, Societal Benefits in Weather, Water, and Climate, Transport, Communication and Security of Marine and Other Resources

- i. New Minds for New Science - The Forecast for Work in the Weather, Water, and Climate Enterprise and Sustainable Development
- j. Carbon Credits, Carbon Sinks, Water Towers, Degradation, Major Forests and Major Basins and Harnessing Science and Technology for National Benefit
- k. Global Warming, Managing Climate Disasters, Floods, Drought, Hurricane, Monsoon, Preparation & Response at National, Regional and Other Levels
- l. Responding to Climate Predictions, Space Weather and Aviation, Satellite Navigation, Space Weather, Policing and Militarization
- m. Scramble for Water Landscape of the World and New Water Conflicts and Global Peace and Security
- n. Desertification, Rangelands, Pastoralists, Nomads and Climate Change
- m. AI, Indigenous Knowledge and Climate Change Mitigation
- n. Climate Change Industry, Myths, Realities and Challenges
- o. AI, Climate Change, Movements, Migration, Refugees, World Climate and Implications on Development
- p. Scarcities, Organic Farming, Water Conflicts and Strategic Management of Fresh Water Resources, GMOs and
- q. Governments, Regional Bodies, UN, NGOs and Faith-Based Organizations on Climate Change and Climate Mitigation
- r. Any other relevant topic will be accepted

Colloquium 2: New and Recent Opportunities in Business, Economics and Strategic Resource Utilization

Sub-Themes:

- a. New Frontiers of Development Opportunities, Artificial Intelligence (AI), Global Finance, Commerce, e-Commerce and e-Banking, Sectors of Development
- b. Global Conglomerates, MNCs, TMCs, Business Consortiums, Big Capital and
- c. Politics and Economics of Patents, Trademarks, Factories, Industries and Manufacturing & Sustainable Development
- d. AI and New Trends in Outsourcing and Africa's 'Silicon Valleys' and 'Industrial Parks' and Incubation Centers
- e. AI, Geopolitics, Globalism, Resource Tensions, European Union, NATO, NAFTA, ECOWAS, EAC and IGAD and World Security
- f. Devolution, Decentralization and Resource Mobilization & Sustainable Development
- g. Organizational Behavior, Leadership and Human Resources Management, Innovation, IT, Operations and Supply Chain Management, Planning and Management of Natural Resources in West, East, South and North Africa
- h. Business Management, Human Resource and Entrepreneurship & Development
- i. The Cooperative Movement, Women Groups and Savings Societies
- j. Marketing Management, Financial Management and Accounting, Economics Education Strategic Management, Entrepreneurship and Contemporary Issues, Green Business Advanced Economic Development
- k. Green Economy, Business Technologies and Sustainable Entrepreneurship, Regional Blocs, Integration and Regional Trade and Sustainable Development
- l. AI, Automated Business, International Trade and Global Business Management and Sustainable Development
- m. AI, Tourism, Eco-Tourism, Health-Tourism and Sustainable Development
- n. Transparency and Accountability, Corruption and Ethics in Development
- o. Sports, Cable TV, English Premier League, American NBA, Cricket, Rugby and Other Sports & Sustainable Development

- p. AI, Games, Gambling, Betting, Ponzi and Pyramid Schemes and youth in Africa
- q. Forensic auditing and accounting and Business Trends and Losses
- r. Global Finance and European, American, Asian and Indigenous Influence
- s. Small and Medium Enterprises (SMEs), Cooperative Saving Societies, Micro and village banking, bank agents, and Table Banking
- t. New Perspectives on Management and Resilience of Business Organizations
Finance and Investment, New Challenges and Opportunities, Legal Business Environment, Money transfer, Western Union, Mpesa and other mobile banking services
- u. Politics of Covid-19, COVID-billionaires, pharmaceutical politics and business
- v. Post Covid-19 therapies for businesses, issues of trauma and counselling
- w. Government and private efforts during and after 'new normal' under Covid-19
- x. Abstracts on any other relevant topic are welcome.

Colloquium 3: AI, New Developments in Education, other Social and Cultural Movements in Africa

Sub-Themes:

- a. New Frontiers of Development Opportunities in Education, Artificial Intelligence (AI) & Education, New Learning Approaches and Analytics, Artificial Intelligence (AI) and the Future of Education, AI & STEM Education
- b. AI and New Opportunities in Education - Personalized Learning Experiences; Artificial Intelligence for Teachers; Evaluation and Feedback; Accessibility and Inclusion
- c. Pros and Cons of AI in the Education Sector, The role of AI in predicting the learning status of students; Design of training processes with AI tools and processes
- d. Gender, Age, Region, Race and Culture differences in the use of techno-pedagogical resources in Africa
- e. The impact of AI on students' learning environments and outcomes; on assessment design, instructional processes, and quality of learning, New opportunities in Machine Learning Processing, Data Mining, Machine Perception and Virtual Reality, Neural Network and Deep Learning
- f. Open and Distance Learning, Intelligent Virtual Reality-based learning systems, innovation in education and e-learning with digital transformation, Learning and Complex Systems, Mode Recognition and Logic Program, Information Retrieval and Web Search
- g. AI in Education and Intelligent Planning and Scheduling, Intelligent Control, Intelligent Computing and Chips, Intelligent agents on the internet, CSCL Technology
- h. Education and Computer-mediated Communication, Semantic Web and Service-Based Architecture, Evaluation, Innovative Applications, Inequity and inequality in education, Design, use, and evaluation of human-AI hybrid systems for learning, Online and distance learning
- i. Artificial Intelligence Algorithms in Education, Artificial Neural Networks in Education, Educational Robotics, Knowledge Science and Knowledge Engineering, Education and Intelligent Tutoring Systems
- j. AI and Distance Education, Distance Learning, Lifelong Learning, Future Education, Information Education, New Generations of Educational Technologies, Mobile Learning, Formal and Informal Learning
- k. New Education Opportunities through E-learning, Smart Learning Environment, Distributed learning environment, Instructional Design, Digital Evaluation, Educational Multimedia, Blended Learning, Competency Based Curriculum (CBC)
- l. AI and E-Learning Platforms and Tools E, Personalized teaching system, Content writing technology, Educational Technology System Architecture, Learning Resources Retrieval, Application

- m. AI, Leadership, Governance, Organization and Management in Education, Educational Technology System Development Technology, Model and Architecture of Educational Technology System
- n. Gender and Equity Dynamics, Distance Learning Systems, Artificial Intelligence and Open Learning, Human-Computer Interaction in Teaching System, Educational Knowledge Management Technology
- o. Education and Data mining, text mining and web mining in education, Simulation in learning, Intelligent Mentor System, Affective Computing in Education, Adaptive learning environment
- p. Education and Electronic Performance Support System, Educational Software and Hardware, Collaboration and Communication Software, Education Software, Education Hardware & Education Network
- q. AI and changes and adaptation of technology in Secondary and Primary education in the world, Modelling and Representation, Models of Teaching and Learning, Learning Contexts and Informal Learning
- r. AI and Global Trends and Curriculum Development and New Pedagogies in Higher Education, Global Networks, Higher Education, Linkages, Research, Partnerships and Publishing
- s. Education and Development sectors, Industry, Linkages, Exchange Programmes and Collaborations, Special Education
Education, ICT, teleconferencing, webinars, networking and e-Learning, Adult Education and Cooperative Education, Technical and Vocational Education
- t. AI and Universities, African Indigenous Knowledge Systems (IKS), Graduate Training, University Repositories and anti-Plagiarism, University Ranking and Funding in Higher Education
- u. Covid-19 pandemic and shift to online training and new normal, New Trends in Teaching and Education and Competency Based Curriculum (CBC), online learning, e-resources
- v. Teaching AI in Schools, AI in Nonprofit Organizations and AI and Ethical Issues, Gamification and Artificial Intelligence in Education; Ethics and Artificial Intelligence in Education
- w. Artificial Intelligence in Higher Education, AI and Vocational Education, Artificial Intelligence in Global Education; Classroom of the Future: Artificial Intelligence, Enabled Learning Environments; AI and Learning Disorders and Interventions;
- x. Artificial Intelligence and Education Policies; Students' and Teachers' Perceptions of Artificial Intelligence
- y. Abstracts on any other relevant topic are welcome

Colloquium 4: Law, Courts, Constitutions, Human Rights & Development

Sub-Themes:

- a. New Frontiers of Development Opportunities, AI and Judicial Systems, Constitution, customary law, and national development in Africa, Men and Women of Law, Reconciling Tradition, Modernity and Justice
- b. AI, Digitization, Electronic Transactions in Law Courts, Constitution and international Development Goals, Constitutional safeguards for economic freedom and social justice
- c. AI, the UN and International Court System, Independence of Courts in Africa, Women, youth, minorities and Human Rights and Development, Global Trends and Indigenous, Local, National and Global Legal Systems
- d. Good and Bad Laws, Poor and Inadequate Constitutions, Decentralization, and National Development, Judicial Law-making in constitutional law and Public Law

- e. Courts, Churches, Mosques, Temples, Synagogues and Conflict Transformation and Peace Building Issues, Dictatorships, Democracies and Constitutional reforms
- f. International treaties, agreements and protocols affecting Africa
- g. Alternative Justice Systems (AJS), Informal justice systems, Councils of Elders, Human Rights and Human Dignity, Wangari Maathai, Koffi Annan, Ken Saro-Wiwa, Aliko Dangote, Julius Malema, Bob Wine, Eliud Kipchoge, Wole Soyinka, and other new heroes in Africa Court reporting and Courts in social media, Environmental Law and Conservation and development, Role of Regional Blocs and UN in Arbitration in Conflicts
- h. Between Institutional Factors and Legal Investment Attractiveness, Transition towards innovative energy, Protecting Intellectual Capital and Innovation Management, Web technologies for Intellectual Capital
- i. Emerging ICTs for strategic knowledge management, Collaborative technologies for knowledge management
- j. Intellectual capital as a resource-based business strategy, Human capital management, Disclosing intangibles, Intellectual capital and the economy, Innovation and technology management, The effect of communities of practice on intellectual capital,
- k. Intellectual Capital and Transfer Pricing, Social and Cultural Capital, Business and competitive intelligence and intellectual capital, Intellectual capital and entrepreneurial, performance, Measurement of intellectual capital, Future innovative intellectual capital management and practical solutions and implementations,
- l. Best practice in managing Intellectual Capital, Intellectual Capital in Network Organizations, Linking intellectual capital management and corporate social responsibility
- m. Women, Youth and Courts and Development, Civic and Citizen Education and Development, Land, Special Courts and Small Claims Courts
- n. Human Trafficking and Global Recruitment Firms
- o. IDPs, Refugees, Illegal and Forced Migration
- p. Protocols, Agreements, Treaties and Accords
- q. Truth Commissions and Restoration of Justice
- r. Artificial intelligence and law, Formal and computational models of legal knowledge, Models of legal reasoning, pros and cons of Automation of legal decision-making process, AI and litigation, Predictive coding
- s. Autonomous and self-learning agency, Ethics of artificial intelligence
- t. Data Security and Privacy, Benefits and Pitfalls of AI and AI ethical considerations
- u. Abstracts on any other relevant topic are welcome

Colloquium 5: Science, Technology, Engineering, Fourth Industrial Revolution & Development

Sub-Themes:

- a. New Frontiers of Development Opportunities, Artificial Intelligence (AI), Science, Technology, Engineering and Development
- b. AI, Science, Technology, Engineering and New Technologies for Mega Projects, Highways, Roads, Bridges and Airports
- c. Fifth and Fourth Industrial Revolutions, Global Trends in Engineering
- d. Natural Resource Management, agriculture, livestock and fisheries
- e. Patents, Trademarks, Technology and Innovation
- f. Manufacturing, Industry and University Collaboration
- g. Research and Development (R&D) and Sustainable Development
- h. Industrial Parks and Innovation Villages and Sustainable Development
- i. Innovation, Science, Technology and Environment

- j. ICT, Science and Technology and inclusive Development
- k. STEM, Science, Engineering, Technology, Gender and inclusive Development
- m. Science, Children and Youth and Sustainable Development
- n. Health Tourism, Medicine, HIV and AIDS
- o. Transport (Roads, railways, ports and harbours) and Development
- p. Informal (Jua kali) sector and non-formal sector and Development
- q. Abstracts on any other relevant topic are welcome
- r. Artificial Intelligence (AI) - the use of algorithms, data, and computational power
AI and computer science, cognitive and learning sciences, data mining and other AI techniques, game design, etc
- s. AI and Organizational Resilience, AI and the Future of Work, AI in Remote and Hybrid Work Environments, AI in Research, Data Analysis, and Predictive Modeling, AI-driven Personalized Learning in Education
- t. AI-driven Solutions for Enhanced Customer Experience, AI-driven Solutions for Enhanced Customer Experience, AI Applications and security/Privacy Issues, AI and Building Connections
- u. AI regime: Plagiarism Detection, Exam Integrity, Chatbots for Enrollment and Retention, Learning Management Systems, Enhanced Online Discussion Boards, Analyzing Student Success Metrics, Academic Research, Connected Campuses, etc
- v. AI and Organizational Performance, AI and Employee Wellbeing, Leadership in the Age of AI
- w. AI in Business Operations at national, regional and global development
- x. Any other sub-themes related to AI

Colloquium 6: AI and The Third Sector, Religious Organizations, Non-State Actors, and External Aid and Grants

Sub-Themes:

- a. New Frontiers of Development Opportunities, AI, Third Sector Development in Africa; Non-State Actors, External Aid and Grants in Africa's Development
- b. International NGOs, Christian and Islamic Development Agencies and Work in Africa
- c. Major Religions, Global Radical Groups, Radical Religious Groups and Global Security
- d. Global Trends in Media, the Church and Development
- e. Small States and Challenges of Development
- f. Sectoral Development and Faith-Based NGOs and Development
- g. Doctors Without Borders, Care International, World Vision, FORD and Rockefeller Foundations, War, Conflict, Philanthropy and Development
- h. Religious Institutions, Sacred Shrines, Religious festivals, etc
- i. Global Al Qaeda, Boko Haram, Al Shabaab and Global Peace and Security
- j. Local and National NGOs, CBOs and Grassroots Development
- k. Income Generating Groups and Development
- l. State Corporations or Parastatals and Development
- m. Seers, Prophets, Apostles, TV and Global Mega Evangelists and Development
- n. Religion, Environment and Development
- o. Religion, Gender, Women, youth and Development
- p. The Church and Covid-19 Pandemic and coping with other diseases
- q. The Covid-19 Pandemic and Local, national and regional dynamics
- r. Briefcase NGOs in Africa and corruption
- s. Women Associations, Chamas, Men and Burial Societies and Development in Africa
- t. Abstracts on any other relevant topic are welcome

Colloquium 7: AI, Security, Peace and Conflict, Industrial Military Complex and Development

Sub-Themes:

- a. New Frontiers of Development Opportunities, AI, Security Architecture, Industrial Military Complex and Development
- b. Al Qaeda, Boko Haram, Al Shabaab and global Peace and Security
- c. Conflict, Rebel activities, War and Violence
- d. AI, UN, African Union, East African Community, ECOWAS, IGAD, Gender and Human Rights
- e. Conflicts, Refugees, Rebels, Peace and Security in the Great Lakes Region
- f. Ukraine-Russia War, Humanitarian Assistance and Rise in Oil and Wheat prices
- g. War on Gaza, the Middle East, the Sahel, War, Refugees and Development
- h. Conflict Management, Ethical Issues in Development
- i. Democracy, Leadership and Governance
- j. Kleptocracies, Totalitarianism and Dictatorship, term limits and Corruption
- k. Regional Bodies and Peace and Development
- l. Displacement, Refugees and International Affairs
- m. Failed and near-failed states in Africa
- n. Water wars and conflicts in the world and Development
- o. Global security, small arms and light weapons, Maritime security and Development
- p. Special Forces and Commando Units
- q. Abstracts on any other relevant topic are welcome

Colloquium 8: Computer Science, Library, Information and Communication Technology, Media Sectors and Development

Sub-Themes:

- a) New Frontiers of Development Opportunities, AI, Changes in Information and Communication Technology (ICT) and Development
- b) AI, Nature and State of ICT in the world and Africa and Development
- c) AI, Computer Science, Mobile Libraries, Dissemination and Publishing
- d) Library Resources and Development
- e) E-Library/Virtual library and Development
- f) Research and Development (R&D), E- books/E-Journals and e-Development in Africa
- g) Internet Research and online publishing
- h) Communication and Journalism and Development
- i) Language, FM Radio and TV stations and Development
- j. Gender and ICT in Africa
- k. Research and Development (R&D), ICT and environment in Africa
- l. Business innovations in ICT – M-pesa, m-kopa, m-shwari, etc
- m. Oral literature and oral narratives and texts
- n. Global Media and Africa and Development
- o. CNN, BBC, Al Jazeera and Reporting Africa
- p. Research and Development (R&D), Media ownership in Africa
- q. Training in journalism in Africa – South Africa, Nigeria, Kenya, Egypt, etc
- r. Internet Bandwidth, Cybercrimes and cyber security, FM Radio Stations and Development
- s. Film Production, Censorship and Media Freedom
- t. Social Media, Fake News, Socialites, Social Media “Influencers” and Media Icons
- u. Celebrities, Gender and Media
- v. Research and Development (R&D), Artificial intelligence and new media
- w. Women, girls, youth and Media

x. Abstracts on any other relevant topic are welcome

Colloquium 9: New Trends in Interdisciplinary and Multidisciplinary Research

Sub-Themes:

- a. New Frontiers of Development Opportunities, Challenges of invention of states and ethnic groups in Africa
- b. AI, Indigenous Knowledge Systems and Development in Africa
- c. New Geographies and new Opportunities, Gender, Women and Development in Africa
- d. New Histories and New Sociologies, New Corporate Social Responsibility
- e. Chemistry, Physics and Biology for the real world, Applied Science and Development
- f. Botany and Zoology and New Frontiers of Knowledge
- g. Natural Sciences and Stretching the possibilities of innovation, invention and discovery
- h. New Archeological Discoveries and Recreating the Past
- i. Science Fiction, Cartoons and Birth of New Ideas
- j. Creative World of Academia, Film Production and New Entrepreneurship
- k. Political Science and New Frontiers of Knowledge
- l. Beyond Karl Marx and Michel Foucault, the Philosophies of Possibilities, Penetration and Counter penetration
- m. Social Work, Mental Health, Drug and Alcohol Abuse and Rehabilitation
- n. Economics of New Frontiers and New e-Money
- o. AI, Space Science, Scramble for the Planets, Satellite Communication
- p. AI and New Science in Exit, Polls, Opinion Polls, Surveys and Projections
- q. Politics of Patents and Trade Marks in the age of Open Access
- r. Politics of Indexing, Ranking, H-index, Publishing Wars and Control of Production through Scopus and DOI and other Western Instruments of keeping Control of Scholarship in Africa
- s. University Ranking, MOUs and Partnerships of universities in the North and South, University-Industry partnerships
- t. Abstracts on any other relevant topic are welcome

Colloquium 10: Health, Medicine, Nursing, Pharmaceutical Sectors and Development

Sub-Themes:

- a. Health Science innovations, inventions, and discoveries in the world
- b. Artificial Intelligence in Medicine, Intelligent / Cognitive Clinical Decision Support Systems
- c. AI in Medicine, Medical methodologies, procedures and architectures, Medical environments and systems
- d. Medical and knowledge engineering in diagnostics, AI and physics and medical Applications and Devices, AI in Healthcare Information Systems
- e. COVID-19 pandemic and effects Medical tourism and Development
- f. Epidemiology, pandemics, Covid-19, Corona Virus Pandemic & Development
- g. AI and New and Emergent diseases, Ebola, Rare Diseases, Epidemiology, Yellow Fever, Nile Blindness, Kala-azar disease
- h. Global West, North, East and the state of HIV and AIDS and management in Africa
- i. Lifestyle diseases, poor and rich people diseases and health services
- j. Dietetics, Malnutrition, Nutrition and strategic food resources
- k. AI and Machine Learning in the healthcare industry, AI Applications in Public Health, and Disease Prevention, AI in Healthcare and Wellbeing Connections, Health of mothers and fathers
- l. AI, Gynecology and obstetrics and child welfare in Africa
- j. Problems of Covid-19, Corona Virus Pandemic & Effects on Development

- k. Medical insurance schemes and ‘health tourism’
- l. Resistance in diseases and campaigns against abuse of drugs
- m. Pharmacy, pharmaceuticals and health tenderpreneurs
- n. Plastic surgery, cosmetics and beauty industry in Africa
- o. Nursing challenges, mobile hospitals and clinics in Africa
- p. Expatriate doctors and brain drain and brain gain in Africa
- q. Psychiatry and mental health in Africa
- r. Internal medicine and lifestyle diseases in Africa
- s. Aging, obesity and diet and care of the elderly in Africa
- t. Malaria and other tropical diseases
- u. Development and change in medical schools in Africa
- w. Eradication of polio and other vaccination campaigns
- x. Alternative medicine and ethno-medicine in Africa
- y. Dietetics and nutrition, kwashiorkor, marasmus, and other issues
- z. Abstracts on any other relevant topic are welcome

Colloquium 11: Science, Engineering, Technology, Innovation and Development

Sub-Themes:

- a. Science, Technology, Engineering and development in Africa
- b. Data-Centric AI – Solutions and Emerging Technologies, Datasets for Data-Centric development, Data bias mitigation techniques, Data quality assessment and accountability
- c. Data governance and regulatory compliance, Transparent multi-modal data fusion, Explainable data augmentation and outlier detection, Privacy-preserving synthetic data
- d. Data Engineering Prompting, Scalable data processing workflows, Data Auditing and Evaluation Practice, Data labelling and benchmarking techniques and Human-in-the-loop data engineering
- e. AI and Electronic engineering and Sectoral Development
- f. Civil and structural engineering and Sustainable Development
- g. Applied technology, Smart Factory, Sustainable Industries and Cities, Smart Cities, Smart Societies
- h. Chemical and mining engineering
- i. Electrical & Electronic Engineering Computer Science & Artificial Intelligence Applied Science or basic sciences Materials Science & Nanotechnology Educational Technology and Innovation Biotechnology & Health Sciences
- j. Wind, solar and hydro power, factories and industries and Sustainable Development
- k. Technical training, assistance and collaboration and Sustainable Development
- l. Professional engineering exams and regulatory bodies for technology and engineering
- m. Studying engineering and Sustainable Development
- o. Engineering training and regulators
- p. Innovations, discoveries and innovations
- q. Young engineers and Sustainable Development
- r. Power generation and Sustainable Development
- s. Aviation and flying schools in Africa
- t. Manufacturing, Textile engineering and production
- u. Food processing, storage and nutrition
- v. Engineering and Internet of Things (IoT), Instrumentation and Sensor Technology, Wireless sensor networks, Monitoring Systems
- w. Drones for agricultural engineering, spraying and insect control, Engineering Navigation Systems, Smart Sensors and Sensor Fusion
- x. Abstracts on any other relevant topic are welcome

Colloquium 12: Agriculture, Livestock Development, Fisheries, Irrigation Sectors and Development

Sub-Themes:

- a. AI and New Opportunities in Agriculture and Livestock Development
- b. Aquaculture Technologies & Innovation, sustainable Fisheries Management, Animal Breeding and Genetics, Disease Control and Veterinary Services
- c. AI in Agriculture: Computer vision in agriculture, Signal and image processing in agriculture
- d. Computational intelligence in agriculture, Decision support systems, Expert systems & predictive systems
- e. AI-based precision agriculture, Machine learning and pattern recognition, IoT in agriculture
- f. Science, technology, Food and livestock management, Big data, Remote sensing, Unmanned aerial vehicle vehicles, Autonomous driving in agriculture, Harvesting automation
- g. Technologies of soil protection, tillage and sowing, harvesting technologies, sustainable energy for agricultural applications & Industrial product development and market service
- h. Robotics and robotic perception in agriculture, Digital twins for agriculture, Data space for agriculture, Ethics and social impact of AI on agriculture
- i. AI-based crowd-sensing and participatory approaches in agriculture, Applications in agriculture
- j. AI and Green Energy and Agriculture, biogas, biomass
- k. African agriculture, politics of cash crops, Tea, coffee, maize, bananas, pineapples, wheat, rice, beans and vegetables, pyrethrum, cotton, sisal and rare crops
- l. Climate change and agriculture, Precision Agriculture; Weather Monitoring
- m. Extreme weather, Drought, Flood management, Strategic crops in food security and disaster prevention in Africa
- n. AI and Agricultural engineering, Farm management, Training in agriculture, Seed production and Sustainable Development
- o. Cooperative societies, Irrigation agriculture, and politics of 'Male' crops and 'female' crops
- p. Agricultural machinery, tractors, self-propelled agricultural machinery, Power trains, electric drives and mobile hydraulics
- q. Agricultural information technologies, precision farming, software, engineering, artificial intelligence and data handling, Automation, robotics, electronic components and sensors, locating
- r. Agriculture, dietetics, Nutrition and Feed in Animal Husbandry
- s. Practices Policy and Ethical Considerations, advancements in aquaculture, sustainable fisheries, and animal husbandry
- t. Farmer and farming information systems, data acquisition by sensors and mobile devices; Big data and AI approaches in agriculture for planting, harvesting, pricing and marketing
- u. Expert information Systems; weather and agricultural Forecasting Methods; Greenhouse Control with AI; Intelligent Control; Multi-Agent systems
- v. Abstracts on any other relevant topic are welcome

Colloquium 13: Forestry, Wildlife Management, Hospitality Management and Tourism Sectors

Sub-Themes:

- a. AI, Equatorial, Tropical Forests and Harnessing of their Resources, Indigenous Forests, Abundant and Endangered Wildlife, National Game Parks and Reserves for Development
- b. Global and Local Efforts in the Protection of Water Towers and Carbon Sinks in Africa
- c. Opportunities and Challenges in the Management of Equatorial and Tropical Forests in Africa and the Scramble for the resources by West and East
- d. AI, Drones, Monitoring Use of forest resources, forest fires and security
- e. Knowledge, Skills and Training in Forest and Wildlife Management
- h. Endangered Species and Sustainable Development
- j. Animal orphanages and Sustainable Development
- k. Rare animal species and Sustainable Development
- l. Indigenous forests and Sustainable Development
- m. Rare tree species and Sustainable Development
- n. Rare animal species and Sustainable Development
- o. Human/wildlife conflict and Sustainable Development
- p. Biodiversity in Africa and Sustainable Development
- q. Resources from Tropical and equatorial forests
- r. Forestation, afforestation, desertification, Marine parks in Africa
- s. Diversification and Expansion of Tourism Products
- t. Innovations in Tourism Offerings, Sustainable Tourism Practices, Leisure, Event Management and Catering
- u. AI, Hospitality Trends, Innovations, Entrepreneurship and Start-ups in Hospitality
- v. Ethics and Social Responsibility in Hospitality, Technology and Tourism Products
- Tourism and Conservation in Africa
- w. Any topic on the dynamic landscape of the Hospitality and Tourism industry will be accepted

Colloquium 14: Water, Petroleum, Minerals, Metallurgy and other Sectors

Sub-Themes:

- a. AI and Water Distribution, Use and Sustainable Development
- b. AI, Mapping Water Sources, Supplies, Quality, Cost, Management and Sustainable Development
- c. AI, Ambient Intelligence and Affective Environments
- d. Intelligent and Interactive Technologies in Water, Natural Gas, Petroleum Production and Global Mining Contexts
- e. Smart Water Use, Water Networks, National Water master plans, Fresh water use in the world, Water processing and Retailing
- f. Irrigation, Hydropower, Water transport and Sustainable Development
- g. Mining, Metallurgy and Sustainable Development, Strategic minerals and Sustainable Development
- h. Oil, Gas and Petroleum Resources, Production and Distribution in Africa
- i. Conflicts over oil and natural gas production, Oil contracting in Africa and Sustainable Development, Advanced Manufacturing
- j. Arsenic/Minor Element Controls in Metallurgical Plants, Corrosion and Environmental Degradation of Materials
- k. Electrometallurgy for a Net Zero Economy, Extractive Metallurgy from Conception to Operation: Experimentation, Simulation, Pilot and Ramp-up
- l. International Biohydrometallurgy Systems and Development

- m. Processing of Critical Materials, Light Metals for Transportation: Marine, Aviation, and Ground Applications
- n. Water, Air, Land Sustainability Issues in Mining and Metal Extraction
- o. Artisanal Mining in Migori, Kakamega, Kwale, West Pokot and other parts of Kenya and Africa
- p. AI and the Future of Green Energy Production in Africa
- q. Abstracts on any other relevant topic are welcome

Colloquium 15: Transportation and Communication Networks and Implications on Development

Sub-Themes:

- a. AI and National and International Transport Systems
- b. AI and air transport, airports and airstrips
- c. AI and Air Traffic Controllers at Local, National and International Airports
- d. AI and Sea Transport over Oceans, Seas, Lakes and Navigable Rivers, Opportunities and Challenges
- e. Standard Gauge Railways in Africa and Expressways
- f. America, Europe, China and Business Development in Africa
- g. American, European and Asian Transport interests in Africa
- h. Transport Hubs, Mega road and port projects in Africa and Development
- i. Communication Giants in Africa, Safaricom, Airtel, Vodacom and National Networks
- j. Road transport, bus companies, uber, yellow cabs, taxis, local *matatu*, *daladala* and other forms of transport in Africa
- k. AI and Communication Towers and Branding in Transport and Communication
- l. Internet Connectivity, Bandwidth and Communication Networks
- m. Artificial Intelligence in Transportation Systems, Artificial Transportation Systems and Simulation (ATSS)
- n. Multiagent Systems, Agent-based modelling and simulation
- o. Mass Transport Intelligent Transportation Systems, Smart Mobility and Knowledge Discovery and Business Intelligence
- p. Any other topic in transport and communication

Colloquium 16: Music, Theater, Arts and Heritage Studies

Sub-Themes:

- a. New Trends in AI and entertainment, Artificial Intelligence and Instructional Design
- b. Artificial Intelligence in Language Learning, Human Language Technologies, i.e. Natural Language Processing (NLP)
- c. Computational Linguistics (CL), Natural Language Engineering (NLE), Text Mining (TM), Information Retrieval (IR), and related areas.
- d. Allied Arts and their Profound Influence on Dance Production
- e. Contribution of African Knowledge system in reclaiming cultural heritage
- f. Balancing artistic expression with cultural sensitivity, Choreographic Innovations in African Classical Dance, Colonial influences on classical dance in Africa
- g. Dance as a tool for stress relief/emotional well-being/Physical/Mental health
- h. Drama. Dance and performance and Ethical Choreography and Storytelling
- i. Gender-Based Challenges and Opportunities in the Field of Dance and music
- j. Incorporating modern educational tools and techniques; Integrating traditional African crafts in dance costumes and sets
- k. Integration of Artificial Intelligence (AI) in choreography in dance and public performance

- l. Interdisciplinary Dance Collaborations: Fusing Movement with Music, Visual Arts, Design, Science, and Technology for Innovative Artistry
- m. Performing Arts and Aesthetics, Progressive Approaches to Dance Education: Advancements in Teaching Methods
- n. Promoting inclusivity and breaking barriers in dance education and performance and Role of dance in promoting social awareness/cultural/activism
- o. Scope of academic research on various aspects of African classical dance and significance of Digital Archiving and Documentation in performing arts
- p. Strategies for reclaiming and decolonizing classical dance practices and Symbiotic relationship between dance and music
- q. The impact of globalization on the perception and practice of dance and music
- r. The influence of literature and mythology on dance narratives, the Symbiotic Relationship between Dance and Architecture in Shaping Spatial Experiences
- s. AI and New Trends and Innovation in Dance, Artificial creative systems, visual arts, architecture, design, sound art, music, poetry, narrative, games, and science
- t. Creative and Generative AI, Computational models of creativity, Evaluation of artificial creative systems, Human-computer collaboration and co-creation
- u. Social and ethical aspects of computational creativity, African music – soul, afro pop, hip hop, rap, rock and roll, high life, Rhumba, Lingala, Bongo Flewa, Omutibo, Benga, Chakacha and Mganda
- v. African short story and effects on literature, African novel, Nollywood and Black Africa, Afro cinema and Africa soap operas, Theater and culture in Africa
- w. African art and preservation of African heritage, Village theaters and theft of African artifacts
- x. Weaponizing African bodies, Sara Bartman (Hottentot Venus), Indigenous art in Africa and return of the heads of Koitalel Samoei and Otenyo, return of the tooth of Patrice Lumumba
- y. Unique and rare art such as Makonde and Kamba carvings
- z. Any other topic is welcome

Colloquium 17: Architecture, AI, Climate Change and New Paradigms in Development

Sub-Themes:

- a. Artificial Intelligence, Architecture and Development in Africa
- b. AI and Training in Architecture
- c. AI, Environment, Planning and Designing
- d. AI and Construction Industry, Methodologies, Architectures or Computational Tools
- e. Planning with AI and Implications on the Profession
- f. Cathedrals, Palaces, Castles and Contemporary Architecture
- g. Borrowed and Blended Architecture
- h. Asian, Persian, Arab, European and American Motifs in Architecture
- i. Urban and Class Architecture in Africa
- j. Rural and Indigenous Architecture in Africa
- k. Modern Mega Churches and Architecture
- l. Mega Stadiums and Domes in Sports, Olympic size designs
- m. Culture, Society and Architecture
- n. Economics, Politics and Architecture
- o. Growth and Development of Architecture in Africa
- p. AI and Blended Architecture
- q. Signature Buildings in Modern Cities
- r. Influence of Culture on Architecture

- s. Ambient Intelligence (AmI), Ambient Intelligent Environments in homes, offices, meeting rooms, schools, hospitals, control centers, transport facilities, tourist attractions, stores, sport installations, or music devices, among others
- t. Any other topic is welcome

Colloquium 18: AI, Big Data, Knowledge Creation and Development

Sub-Themes:

- a. Artificial Intelligence for Industry and Societies, Artificial Intelligence in Power and Energy Systems, artificial intelligence to power and energy problems
- b. Knowledge Discovery (KD), Data Pre-Processing, Temporal and Spatial KD Explainable AI (XAI), Data and Knowledge Visualization
- c. Machine Learning (e.g., Decision Trees, Deep Learning, Ensembles)
- e. Data Mining tasks: Classification, Regression, Clustering and Association Rules, Process Mining, Learning from Text and Multimedia data, Graph Mining, Data Streams and Distributed Data Mining
- f. Business Intelligence (BI), Business Analytics and Data Science
- g. Artificial Intelligence (e.g., KD, Evolutionary Computation) applied to BI: Data Warehouse, OLAP, Data Mining, Decision Support Systems, Dashboards, Business Analytics, Adaptive BI and Competitive Intelligence
- h. Finance, Marketing, Banking, Medicine, Education, Industry and Services
- i. Big Data, Cloud computing, Web Intelligence and Social Network mining.
- j. Natural Language Processing, Text Mining and Applications, the Track of Natural Language, Text Mining and Applications
- k. Natural Language Processing (NLP)
- l. Text Mining methods
- m. Knowledge Representation and Reasoning (KRR) and Knowledge Creation

Colloquium 19: AI, New and Emerging Paradigms on Development, Roundtables, Independent Panels and Association Meetings

Sub-Themes:

- a. Artificial Intelligence and new trends in science and technology
- c. 1) mitigation—efforts to reduce greenhouse gas emissions; 2) adaptation—increasing society's capacity to cope with changes in climate; 3) geoengineering or climate engineering—Rapid urbanization, rural to urban migration, urban poverty and urban violence in cities
- d. Covid-19, Spread and Effects on global affairs and Containment, Vaccinations, etc
- e. Africa's Development partners, Social Change, the West and the East and Development in Africa
- f. Opportunities and Challenges of Savannah "Silicon Valley's" and other technology hubs and incubators
- g. AI and Investment Opportunities in Africa
- h. Grassroots and Community Based Development Approaches in Development
- i. The UN, World Bank, INGOs, NGOs and Community Based Organizations (CBOs), etc
- j. Partnerships, Foreign Aid and Western Development models and Sectors and Development
- k. GenZ and Political Transformation in Africa
- l. Poverty Eradication, Poverty Alleviation, Poverty Reduction, Strategic Management, etc
- m. Sage Philosophy, Ubuntu, Ujamaa, Utu and other ideologies in Africa
- n. African Cultural Social Protection and Modern Corporate Social Responsibility
- o. Contributions of African Academic Giants in Development
- p. AI & Trade Unions, Political Parties, Interest Groups and Sustainable Development

- q. Indigenous African Philanthropy, Good Aid and Bad Aid in Africa
- r. Geopolitics, labour movements, migration, displacement and ‘brain drain’
- s. AI, Identity, hybridity, blackness, whiteness and African development
- t. Politics of Sexuality, ‘queer’ culture and ‘otherness’ and social development
- u. The idea of ‘Anguka Nayo’, Revolution, Pop culture, multiculturalism and minorities
- u. Space, Voice, agency and silences in global and African development
- w. Women’s Liberation, Youth Empowerment and Minority Development
- x. Sports Gambling and Betting in Africa and the problem of addiction
- y. New and Younger Leaders in Africa and the New Vision of Africa
- z. Abstracts on any other relevant topic are welcome

ALL GENERAL ENQUIRIES TO BE ADDRESSED TO:

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[Call for Papers for the 16th International Interdisciplinary Conference, to be held in Nairobi, Kenya on June 25 - 27, 2025 at Multimedia University of Kenya \(online and in-person options - Hybrid Platform\)](#)

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