As Africa University celebrates 30 years of excellence and leadership transformation in Africa, one of the key events is the International Scientific Conference that is scheduled for the 19th and 20th of October 2022. The theme of the conference is, “Celebrating Academic Excellence for Transformative Innovation and Leadership in Africa” (CAETILA). The conference seeks to provide a platform for a diverse community of young and senior researchers, scholars, academics and practitioners from across Africa and the world to present and share cutting edge policy-development-entrepreneurial oriented research, papers and innovations within the integrated fields of Health Sciences, Social Sciences, Theological Sciences, Political Sciences, Business Sciences, Legal Sciences, Technological Sciences, Agriculture and Natural Sciences among others. The broad aim of the conference is to stimulate new thinking and provocative analysis that addresses and answers difficult questions on topical issues that affect the developmental, leadership and governance issues of our continent and the world at large. Using multidisciplinary, interdisciplinary and afro-centric perspectives and approaches, the conference envisions to create a convergence of ideas that showcase innovative works that contribute to the burgeoning knowledge economy aimed at achieving the pan-African agenda of the Africa we want; couched in the African experience while also bringing to the fore innovative ideas, experiential case studies and best practice from around the world.

The conference appeals to all categories of expertise in all areas with a keen interest to embark on an exploration of discursive ideas focused on re-envisioning the pan-African developmental-innovation-entrepreneurial narrative and celebration of excellence that comes from collaboration and unity of purpose.
Abstracts are invited in the following thematic areas:

<table>
<thead>
<tr>
<th>Track 1: Agriculture &amp; Natural Sciences</th>
<th>Track 2: Social Sciences; Theological Sciences; Humanities &amp; Education</th>
<th>Track 3: Health Sciences</th>
<th>Track 4: Business, Leadership &amp; Technological Sciences</th>
</tr>
</thead>
</table>

Cross Cutting Themes: Artificial Intelligence, Intellectual Property, Innovation, Technology, Gender

**Track 1: Agriculture & Natural Sciences**

- Agricultural Technology: State of the art and future prospects
- Advances in agricultural sciences & technology in Africa
- AI related technology in agriculture & natural resources
- Re-imagining AI and gendered support systems for agricultural transformation: from agricultural sensors to use of drones
- Gender, Smart agriculture and artificial intelligence
- Gender and AI driven innovations to support agricultural production and commercialisation
- AI and environmental resilience for agricultural sustainability
- AI and livestock production systems for agricultural sustainability
- AI and agricultural soil fertility for sustainable agriculture
- Zero population solutions in crop protection
- Life cycle assessment of agricultural & agro-food systems
- Climate change adaptation/mitigation-the role of agricultural practices & life cycle assessments
- Women, Science & Environment: Coping and adaptation capacities in the face of climate change.
- Food insecurity & Equity in Southern Africa
- Agricultural biotechnologies interventions in the livestock sector
- Agricultural Intellectual Property management systems
- Digitalization of agriculture, big data analytics for achieving gendered food security & Sustainable Development Goals by 2030
- Engendering Agricultural information systems for economic and sustainable development in Africa

**Track 2: Social Sciences; Theological Sciences; Humanities & Education**

- Evolution & emergence: a paradigm shift in theology & theological sciences
- Theological perspectives & the search for meaning in disruptive environments
- Gendered perspectives towards re-envisioning theology eschatology & pandemics in the era of pandemics
- Religion as a social determinant of gendered open societies
- Religion, gender, spiritual journeys & tourism
- Gendered perspectives to religion, spirituality & mental health care
- Technology-enhanced learning for higher order skills in higher education. What needs to change?
- Global digital society: Impact on Social Sciences, Humanities and Gender Studies
- Gender and social constructions of vulnerability and poverty: A dilemma for the achievement of SDGs?
- Securitisation of inter-state relations and emergence of new global power blocks
- Economic, environmental justice and sustainable development in Africa
- Constitutionalism, women’s rights protection and inclusive societies in Africa
- Communication, media technologies and innovative strategies for a ‘new normal?’
- Smart governance as an enabler for gendered leadership transformation in Africa
- Digital technologies as enablers for youth-inclusive peace & security paradigms
- The art of integrating new technologies in peace journalism teaching and learning
• The agency of women for the sustainability of African languages, teaching and research initiatives in tertiary education
• Role of universities, public & private sectors in gendered peace building innovations for socio-economic development
• Digital governance strategies and policies for gender, peace and security reform in Africa
• ePolitics & the efficacy of peace journalism in Africa
• AI & Education Reforms in Africa; Innovative strategies for amplifying women and youth voices in Africa
• Interrogating liberal perspectives to peace education and social justice for all

**Track 3: Health Sciences**

• Locating Global South and African innovations in COVID-19 vaccine research and manufacturing enterprise
• How AI and ambient technologies enable physicians and patients to connect as human beings
• Engendering AI-powered technologies in tele-health, primary and secondary health care setting and systems
• Future digital health ecosystems: opportunities for inclusive health for all in Africa
• Looking for women’s faces in Africa’s Strategy on Digital Health & Implementation frameworks
• Intellectual Property Regulatory Priorities during COVID-19 pandemics: Impact on gendered Digital Health in Africa
• Mental Health & Psychosocial Support (MHPSS) in Humanitarian Emergencies, gendered lived experiences
• Evidence-based approaches to mental health & psychosocial support for women, children & youth
• Strategies in reducing premature mortality from non-communicable diseases (NDCs) & Communicable diseases (CDs) through prevention & treatment
• Treatment, early detection prevention, management & surveillance of NCDs & CDs including COVID-19 pandemics
• Diseases of chronicity in Africa: A search for gendered innovative solutions
• Transforming National Health systems in Africa using gendered big data analytics
• Big data surveillance & the state of public health in Africa: What’s in it for persons with disabilities, women, youth and children?
• Sexual and Reproductive Health Rights: Gender, disability & sexuality; violence women and children

**Track 4: Business, Leadership & Technological Sciences**

• Relationship between Business, Leadership & Artificial Intelligence (AI): A leadership renewal question for Africa?
• Gendered AI Technology Governance & Business trends in Africa
• High Performance Computing for Business Success: Women’s call for action?
• Information Technology policies, Innovation & business management
• The Future of doing Business: Block chain Technology & Cryptocurrency quandrum
• Accountability of Quadruple Helix actors in building an inclusive entrepreneurial societies (University, government, business & private sector)
• Is the future equal?: Challenging the status quo for gender equality in the use of new technologies in the business ecosystems in Africa
• Decolonization of business & leadership models: Re-imagining African economies in the global arena
• Gendered approaches to Leadership, Culture & Ethics in Business: Myth or Reality?
• Gender dynamics in family owned businesses & succession in the African context: Customary Law vs State Law
• Making Intellectual Property work for gender inclusive businesses in the African context
• Intellectual Property Rights: Enabler or hindrance in the Innovation processes in Africa
• Nexus between Technology Transfer & strategic IP management for sustainability of universities in Africa
• Innovative pedagogies for women & young entrepreneurs in Africa
• Small, Medium Enterprises (SMEs) & the IP system: SMEs underutilising the formal IP system for sustainability?
• Cyber-crime & security in Business Enterprises in Africa
• Cyber-security & digital diplomacy: A search for the meeting point

Important dates
Participants are encouraged to take note of the following critical deadlines:

<table>
<thead>
<tr>
<th>Activity</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Call for Papers</td>
<td>20 July 2022</td>
</tr>
<tr>
<td>Abstract submission deadline</td>
<td>15 August 2022</td>
</tr>
<tr>
<td>Acceptance notification</td>
<td>9 September 2022</td>
</tr>
<tr>
<td>Final Paper submission deadline</td>
<td>23 September 2022</td>
</tr>
<tr>
<td>Author registration closes</td>
<td>30 September 2022</td>
</tr>
<tr>
<td>Conference dates</td>
<td>19-20 October 2022</td>
</tr>
</tbody>
</table>

Registration fees

<table>
<thead>
<tr>
<th>Category of Delegates</th>
<th>Early bird registration (Ends 15 August 2022)</th>
<th>Normal registration (Ends 30 September 2022)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Authors from Africa</td>
<td>USD 50</td>
<td>USD 60</td>
</tr>
<tr>
<td>International authors</td>
<td>USD 80</td>
<td>USD 100</td>
</tr>
<tr>
<td>Students – Masters and Ph.D. (both Africa and the across the globe)</td>
<td>USD 25</td>
<td>USD 30</td>
</tr>
</tbody>
</table>

How to apply
Submit the documents listed below using this registration link: AUCAETILA Registration

i. Abstract (250-500 words)
ii. Author(s) biography
iii. High resolution picture
iv. Proof of payment of Registration fees

*Registration fee payments must be clearly stated as AU-CAETILA Registration Fee

For inquiries, please contact:

Mr. Liberty Machona
Assistant Registrar
Academic Affairs
ara@africau.edu

Dr. Yogesh Kumar Awasthi
Endowed Chair
Educational Technologies
awasthiy@africau.edu

Prof. Pamela Machakanja
Interim Deputy Vice Chancellor
Director, Office of Research & Innovation
dori@africau.edu
CONFERENCE PRESENTERS

**Professor Caroline B Ncube**  
Head of Department: Commercial Law  
SARChI Research Chair in Intellectual Property, Innovation and Development  
Professor, Department of Commercial Law

**Ms. Basuti Bolo**  
Africa University  
Endowed Chair of Educational Technologies

**Dr. Eltony Mugomeri (DHSc.)**  
Africa University  
Senior Lecturer & HoD - Department of Public Health & Nursing (DPHN)  
Tuberculosis Implementation Framework Agreement (TIFA) Project Manager  
College of Health, Agriculture and Natural Sciences (CHANS),

**Dr. Kudzanayi Chiteka,**  
Agriculture & Renewable Energy Scientist

**Dr. McLean Sibanda**  
Managing Director, Bigen Global, Bigen Africa Group Holdings Pty Ltd

**Professor Usman Tar**  
Endowed Chair of Defence and Security Studies  
Director for Defence Studies and Documentation  
Nigerian Defence Academy

**Professor Alejandro Fuentes**  
Senior Researcher at the Raoul Wallenberg Institute of Human Rights and Humanitarian Law

**Dr. Panashe Chiurunge**  
Chief AI Scientist- Data Analytics

**Professor Annie Barbara Chikwanha**  
Department of Politics and International Relations  
University of Johannesburg

**Dr. Solomon Mungure**  
AU Alumnus
Dr. Najib Isse Dire
Dean Faculty of Médecine Simad
University Somalia Republic

Prof. Dr. Isabel Apawo Phiri
Deputy General Secretary
World Council of Churches

Professor Xiaochuan Wang
Vice Director Pathophysiology
Département Faculty of Basic Medicine Huazhong University of Science and Technology
Wuhan China

Dr. Knox Zengeni
Africa University, Senior Lecturer
Political Scientist

Dr. Ashton Murwira
Africa University Lecturer
Political Scientist

Dr. Alex Rusero
Africa University Lecturer
International Relations
Political Scientist

Dr. Mazvita Machinga
Psychotherapist, Pastoral Care and Counseling.

Professor Admire Mare
University of Johannesburg, South Africa, Department of Journalism, Film and Television

Dr. Zanele Furusa
Africa University Lecturer, Researcher & Environmental Advocate

Ms. Dudziro Nhengu
PhD Candidate
Africa University