

Philip Ouma Ayoo

Coventry University Africa Hub

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1. PROFESSIONAL PROFILE

An information systems expert with special interests in the use of digital technologies in supporting the academic, research, outreach and administrative functions of higher education institutions, as well as utilizing data and information for generating the evidence required for interventions and to inform decision making. My work has mainly revolved around higher education and research, creating relevant linkages and partnerships amongst universities in East Africa and between them and other institutions locally and globally. I have over 20 years' experience in providing leadership in the coordination of research, innovation and outreach activities for higher education institutions, as well as activities to enhance innovations in universities. More recently, I have been overseeing the establishment of mutually beneficial academic and research partnerships between a UK university and similar institutions in Sub Saharan Africa.

I hold a PhD in Information Systems, MPhil. Information Sciences (Library and Information Studies), BSc. in Information Sciences (Information and Media Technology), as well as several vocational and professional certificates. My research work has resulted in authorship of several books, book chapters, journal articles, as well as conference presentations.

I embrace the key concepts of diversity, equity and inclusivity – variety, acceptance and respect – especially the understanding that each individual is unique, hence ensuring that I value the similarities and differences of individuals that I work or interact with at all times. I possess excellent time and information management skills as well as the ability to work collaboratively or to delegate tasks to the right people so as to focus on core activities.

2. EDUCATION

- i) PhD in Information Systems – February 22 2017, Makerere University, P O Box 7062, Kampala, Uganda.
Thesis: *A Framework for Developing and Sharing Constructivist e-Learning Resources.*
- ii) MPhil in Information Sciences (Library and Information Studies) – Dec 4 2001, Moi University, P O Box 3900, Eldoret, Kenya.
Dissertation: *An Evaluation of the Effectiveness of the Internet as a Source of Information for Industrial Researchers in Nairobi.*
- iii) BSc in Information Sciences (Information and Media Technology) – Oct 27 1995, Moi University, P O Box 3900, Eldoret, Kenya.
Project: *An Evaluation of the Effectiveness of Instructional Media in Teaching at Moi University.*

Other Training

- i) PRINCE2 Foundation Certificate in Project Management, April 5 2017, APMG International and Axelos.
- ii) Certificate of Completion, Leadership and Management Essentials, Jan 21 2020, Solutions Africa, Bukoba, Tanzania.
- iii) Skills-Gap Online Training: Gendering Policy-Engaged Education Research in Africa, June 7 – 26 2021, PASGR Professional Development and Training (PDT), Nairobi, Kenya.
- iv) Implementation of Web-based M&E System for EAC Organs and Institutions, Feb 6–10 / Aug 24 2012, Arusha, Tanzania.
Presentation: *M&E at the Inter-University Council for East Africa*
- v) Certificate of Achievement, Farm Data Management, Sharing and Services for Agriculture Development, Online Course provided by CTA, FAO and PAFO, Oct 14 – Nov 10 2019.
- vi) Professional Certificate of Proficiency in Information Systems, Aptech Computer Education (9 months), Jan 23 2019: *Programming (C, Java, JavaScript); Database Management (MS SQL Server, MS Access); Web Technologies (HTML, JavaScript, Adobe CS3).*
- vii) Certificate of Achievement, AuthorAID Online Course in Research Communication, Dec 5 2017, INASP.
Lay Summary Project: *Phasing out islands of knowledge: technology enables universities to share learning resources*
- viii) UNESCO-IITE Specialized Training Course: ICT in Distance Education, Sept 14 to Dec 13 2003, Institute for Continuing Education (ICE), University of South Africa (UNISA), P O Box 392, **UNISA** 003, South Africa.
Research Project: *A national distance education solution for Uganda: innovative application of digital ICTs to overcome the barriers of the existing digital divide.*
- ix) Geographical Information Systems, August 20 – 22 2008, African e-Development Resource Centre, Nairobi, Kenya.
- x) Coventry University Essentials Completion Certificates
 - a. Diversity in the workplace, 6 Jul 2022
 - b. Inclusive, cohesive and safe campuses, 8 Dec 2021
 - c. Working with international students, 5 Jul 2022
 - d. Data protection, 31 May 2022
 - e. Information security smart, 11 May 2022
 - f. Bribery Act 2010, 31 May 2022
 - g. Consumer rights, 21 May 2022
 - h. Responding to disclosure of unwanted sexual incidents, 5 Jul 2022

3. RELEVANT WORK EXPERIENCE

Regional Business Development Manager for Academic Partnerships – Dec 6 2021 to Present.

Coventry University Africa Hub, Kigali, Rwanda

- Developing a Transnational Education (TNE) Strategy for Sub Saharan Africa;
- Developing a regional partnership development plan to guide establishment of mutually-beneficial collaborative activates between Coventry University and similar institutions in Sub Saharan Africa;
- Sourcing collaborative partnership opportunities for the delivery of Coventry University qualifications and joint research in Sub Saharan Africa;
- Developing business cases for prospective academic partner institutions and guiding the prospective partners through the whole approval process, including required due diligence;
- Supporting the strategic development and expansion of Coventry University’s existing collaborative delivery and progression partnerships and providing support in stakeholder management, partnership operations, and promotions;
- Developing and maintaining links with relevant government ministries and departments, academic and research institutions, the British Council, UK Department for Business and Trade (DBT), embassies, and other in-country organisations that have the ability to impact on partnership development.

Dean and Senior Lecturer, School of Computing and Engineering – Jan 2 2021 to Nov 30 2021.

Uganda Technology and Management University (UTAMU), Kampala, Uganda

- Providing leadership to the faculty in development of academic policies, procedures and plans in furthering the educational mission and strategic plans of the School in synchrony with the university mission and strategic objectives;
- Establishing academic, research and outreach linkages and partnerships with similar institutions and with industry;
- Supervising the management, development, evaluation and reviewing of the curriculum for the School;
- Undertaking staff evaluations and appraisals for heads of department within the School;
- Teaching and assessing the following masters courses:
 - i) Research Methods
 - ii) Research Methodology Seminars
 - iii) Project & Organization Change Management
 - iv) IT Strategic Planning & Management
 - v) Legal and Ethical Issues in Computing
 - vi) Systems Analysis & Design
- Coordinating innovation project competitions for graduating students and start-ups;
- Undertaking research and supervising graduate student research;
- Member of the editorial/review committee for the *International Journal of Technology and Management (IJOTM)* and the *7th International Conference on Technology and Management (ICTM-21)*.

Principal Innovation and Outreach Officer – July 1 2013 to Sept 3 2020.

Inter-University Council for East Africa, Kampala, Uganda

- Developing a research and innovation coordination policy framework for East Africa and an operationalisation strategy;
- Undertaking studies for enhancement of research management capacities for improved performance of higher education systems in East Africa;
- Coordinating the establishment of centres of excellence for advanced training and research for the development of joint research, innovation and outreach projects among higher education and research institutions in Eastern and Southern Africa;
- Organizing the annual Academia-Public-Private Partnership Forum and Exhibitions as a way of facilitating linkages and dialogue between higher education institutions, government and the business community;
- Spearheading establishment of the *East African Science, Technology and Innovation (STI) Conference* to provide a platform for STI actors to share their experiences and results of their work within the knowledge and technology generation, translation and transfer/realization chain;
- Coordinating the establishment of the *East African Journal of Science, Technology and Innovation (EAJSTI)* “to provide a platform for enhancing and advancing scientific knowledge that supports East African regional development”;
- Reviewer for *EAJSTI*.
- Developing a research management information system to facilitate exchange of information between researchers and the general society related to research, innovation and outreach activities;
- Promoting the development of viable research, innovations and outreach programmes to address socio-economic needs in the Community;
- As Chairperson of the IUCEA Editorial Committee, coordinating development and/or review of IUCEA strategic, policy and governance instruments – strategic plans, Protocol, Act, HR policies, annual reports, newsletter, etc.

Electronic Database Specialist – Sept 4 2000 to June 30 2013.

Inter-University Council for East Africa, Kampala, Uganda

- Developing a forward-looking ICT Policy and Master Plan for mainstreaming ICT within higher education in East Africa;
- Ensuring an effective, efficient and reliable ICT system and connectivity within IUCEA, including the development of an up-to-date resource centre and an informative website;
- Coordinating a joint inter-university research initiative (VarsityNet) on software development using open source software to address strategic needs of member universities;
- Coordinating ICT projects for East African universities on the development of shared e-learning systems, e-library systems, ICT training for university staff, and regional strategies to reduce bandwidth costs;
- Organizing regular meetings of the *Specialized Committee on ICT and Library Education in East Africa* (and other symposia);
- Undertaking regular studies to establish ICT requirements and challenges within member universities;
- Actively participating and contributing in regional and international ICT conferences, workshops and seminars;
- Developing project proposals for funding various ICT and other projects.

Senior Technician – August 2 1996 to August 30 2000.

Faculty of Information Sciences, Moi University, Eldoret Kenya.

- In charge of the management of the faculty's Information Resources Laboratory;
- Organising the resources, both computerised and print, and maintaining the equipment (hardware and software);
- Assisting faculty and students in using the facilities in the laboratory for their research and teaching purposes;
- Creating and maintaining the necessary databases for the various facilities in the Resource Centre;
- Cataloguing, classifying, indexing and abstracting new information materials for inclusion into the relevant database(s).

Volunteering Experience

Deputy Executive Director – Sept 4 2020 to Present.

African Network for Internationalization of Education (ANIE), Eldoret, Kenya

- Developing and operationalizing research partnerships and collaborations within the ANIE network and with other relevant organizations;
- Coordinating the activities of the ANIE research team, including the Network of Emerging Scholars in Internationalisation (NESI);
- Leading the resources mobilization efforts for ANIE programmes;
- Developing and operationalising partnerships and collaborations with other relevant organizations;
- Developing a framework for disseminating the outcomes of ANIE research projects, including updating these on the ANIE website and newsletters.

Other Teaching Experience

- **School of Computing and Engineering, Uganda Technology and Management University (Adjunct Senior Lecturer, Jan 2021 - Present):** Teaching, research and outreach; supervising graduate students' research.
- **School of Computing and Informatics Technology, Makerere University (Part-Time Lecturer, August 2005 - 2007):** Teaching an undergraduate course, *Research Design and Implementation*; supervising undergraduate and masters research projects.
- **Department of Information and Media Technology, Moi University, (Teaching/Graduate Assistant, June 1999 to August 2000):** Teaching undergraduate ICT courses; supervising undergraduate students' projects.
- **ComTech Systems Limited (Associate Consultant, June – August 2000):** Teaching the *IMIS* programme leading to a diploma in Computer Science; training corporate clients on various computer applications.
- **Kenya Institute of Management (Part-Time Lecturer, July – August 2000):** Participating in the design and development of the curriculum for the programme *Diploma in Information Management*; pioneer lecturer for the course *Application of Information Technology in Information Management*.
- **Elkim School of Professional Studies (Part-Time Lecturer, May – June 2000):** Teaching IT-related courses leading to *Diploma in Library and Information Studies*.

Project Management Experience

DATE	ROLE IN PROJECT	FUNDER
Apr – Dec 2021	<p>Project Manager: <i>Africa IoT & AI Challenge in Uganda</i></p> <ul style="list-style-type: none"> Coordinating the continent-wide programme for senior university students and start-ups that have innovative ideas in the areas of Internet of Things (IoT), Artificial Intelligence (AI), and related fields Constituting and facilitating meetings of a National Steering Committee to oversee program activities As a focal point person for Uganda Technology and Management University (UTAMU), identifying and preparing students to participate in the competition Organizing and overseeing national innovation competitions, including mentorship programmes to commercialise promising projects 	<p>IEEE Technology and Management Society (IEEE TEMS)</p> <p>(USD 36,650)</p>
May 2021 – Aug 2022	<p>Local Expert: <i>Utafiti Sera House (Research Policy Community) on Strengthening Equitable Access to Quality Higher Education in the Pandemic Environment in Kenya.</i></p> <ul style="list-style-type: none"> Organising policy research: resourcing for access, equity and quality education during and post-COVID-19; Identifying opportunities for public-private partnerships in strengthening access to higher education; Analysing the impact of the pandemic on postgraduate training and research and the future of emerging academics. 	<p>Carnegie Corporation and Partnership for African Social and Governance Research (PASGR)</p> <p>(USD 112,000)</p>
Nov 2020 – Mar 2021	<p>Principal Investigator (PI) and Local Expert to conduct research on the theme of <i>Digitalisation in Higher Education on the African Continent</i>, Neso South Africa</p> <ul style="list-style-type: none"> Determining the needs of early career researchers as it pertains to digitalisation, in terms of digital access, perceptions and levels of engagement; Conducting a comparative country-level analysis of early career researchers experiences in digitalisation of research; Developing an African digital scholar framework (using research findings and design thinking methodology). 	<p>Nuffic and British Council</p> <p>(EURO 46,000)</p>
May – Jul 2021	<p>Individual Specialist: <i>Study on the Higher/Tertiary Education Response to COVID-19 and Identification of Good Practice</i>, UNESCO Office in Nairobi, Kenya</p> <ul style="list-style-type: none"> Documenting and reviewing the impact and measures taken by the management of higher and tertiary educational institutions of selected countries in Eastern Africa sub-region namely, Djibouti, Ethiopia, Kenya, Madagascar, Mauritius and Uganda; Articulating the good practices to inform government and development partners for possible scale-up; Reviewing compliance to the international guidelines on the safe return to schools issued by UNESCO, UNICEF, WFP and World Bank, which are equally applicable to tertiary education. 	<p>UNESCO</p> <p>(USD 1,537)</p>

Mar 2020– Present	<p>Coordinator: <i>Survey on the Impact of Covid-19 on Higher Education, its Business Implication and Proposed Recovery Strategy</i>, IUCEA, Kampala, Uganda</p> <ul style="list-style-type: none"> • Leading a team of experts to identify the varied responses to the COVID-19 pandemic at the institutional, national and regional levels; • Assessing the socio-economic impact of COVID-19 on higher education activities within the EAC region; • Developing strategies for mitigating the impact of the pandemic in the short, medium and long terms. 	IUCEA, EABC, ESSA (USD 90,200)
Mar – Sep 2020	<p>IUCEA Liaison Officer: <i>Examining Participation and Quality of Experiences of Women in Science Technology Engineering and Mathematics: Postgraduate Training Programmes and Careers in East Africa</i>, APHRC, Nairobi, Kenya</p> <ul style="list-style-type: none"> • Determining levels of gender equality in STEM-related post-graduate training and careers in East Africa; • Exploring factors that contribute to participation of women in STEM related postgraduate training and careers in East Africa; • Developing a comprehensive framework for optimal engagement of women in STEM related post-graduate training and careers in East Africa. 	International Development Research Center, IDRC (USD 390,232)
Feb – Sep 2020	<p>Coordinator: <i>Enhancement of Research Management Capacities for Improved Performance of Higher Education Systems in East Africa</i>, IUCEA, Kampala, Uganda</p> <ul style="list-style-type: none"> • Coordinating activities to: <ul style="list-style-type: none"> ○ Develop a proposal on research management capacities of universities ○ Carry out a situational analysis on research management capacities of selected universities on their performance and contribution to sustainable knowledge-based society; ○ Undertake a needs assessment to understand gaps and challenges in order to enhance research management capacities. 	Swedish International Development Agency, Sida (SEK 1 million)
Dec 2019 – Sep 2020	<p>Coordinator: <i>Creating an EAC Academic Network and Centre(s) of Excellence on Regional Integration</i>, IUCEA, Kampala, Uganda</p> <ul style="list-style-type: none"> • Coordinating establishment of an EAC Academic Network on Regional Integration; • Supporting establishment of centre(s) of excellence on regional integration; • Developing a custom-made EAC training programme on regional integration; • Mobilizing resources for project implementation. 	EU Jean-Monnet Network (USD 34,540)
Apr 2018 – Mar 2020	<p>Coordinator: <i>EAC Scholarships Programme (Leadership to Foster Regional Integration)</i>, IUCEA, Kampala, Uganda</p> <ul style="list-style-type: none"> • Supporting the institutional establishment of the Project within IUCEA and securing knowledge transfer between the participating institutions; • Planning project implementation including defining criteria and execution of the selection process for universities and scholars; 	German Development Bank, KfW (EURO 10 million)

	<ul style="list-style-type: none"> • Conceptualising and identifying extracurricular activities for Master Students including a transparent selection process of institutions to conduct those activities; • Supporting the development of a long term sustainable funding strategy for IUCEA in order to increase financial sustainability of the Project (incl. identifying and attracting possible other funders); • Continuous monitoring and supervision of the Project to ensure quality. 	
Jan 2019 – Sep 2020	<p>IUCEA Liaison Officer: <i>East African Centre for Mathematical Research (EACMAR)</i>, IUCEA, Kampala, Uganda</p> <ul style="list-style-type: none"> • Working with the heads of mathematics departments – of Makerere University, University of Dar es Salaam, and University of Rwanda – as well as other stakeholders – to establish EACMAR; • Developing TORs for appointment of EACMAR Regional Steering Committee (RSC) members, Regional Centre Coordinator, and Centre Node Leaders; • Planning and executing activities of the Centre, including launch of the Centre, RSC meetings, etc. 	Sida, IUCEA
Dec 2017 – Jul 2018	<p>Ag. Project Coordinator: <i>Eastern and Southern Africa Higher Education Centers of Excellence (ACE II) Project</i>, IUCEA, Kampala, Uganda</p> <ul style="list-style-type: none"> • Overseeing the overall delivery of the ACE II Project, in accordance with the Project Appraisal Document (PAD), ACE II Operational Manual, the Grant Agreement, and all other relevant operational policies and guidelines; • Managing day-to-day project activities: preparing/revising annual workplans and procurement plans; project M&E reports based on the project’s results framework; budgeting and financial reporting; • Organising meetings of the Regional Steering Committee (RSC); • Serving as a member of the Project Steering Committee, providing oversight and guidance in overall project implementation. 	World Bank (USD 148 million)
Oct 2017 – Sep 2020	<p>IUCEA Focal Point Person: <i>EAC STI Forum</i></p> <ul style="list-style-type: none"> • Establishment of the <i>East African Journal of Science, Technology and Innovation</i>: <ul style="list-style-type: none"> i) Conducting national consultative workshops on establishment of the journal; ii) Establishing Editorial Board and organizing their regular meetings; iii) Developing and advertising call-for-articles; iv) Participating in review of submitted manuscripts. • Organizing the <i>1st East African STI Conference</i> <ul style="list-style-type: none"> i) Developing call for abstracts; ii) Participating in review of abstracts for presentation at the Conference. 	African Development Bank (USD 200,000)
Mar 2009 – Dec 2012	<p>Project Coordinator: <i>Mobilizing Regional Capacity Initiatives (MRCI)</i></p>	DfID (AAU-MRCI) (EURO 198,000)

	<ul style="list-style-type: none"> • Coordinating 4 research teams from universities in Kenya, Tanzania and Uganda to implement the project – <i>Enhancing the Capacity of East African Universities to Utilize ICT for Sustainable Regional Development</i>⁷. Overall, four main outputs from the project included: <ul style="list-style-type: none"> i) A framework for shared e-learning system/platform developed; ii) Information resources for teaching, research and public service made available; iii) ICT staff-training programmes developed and validated; iv) Appropriate strategies for reducing bandwidth costs for universities in place. • Collaborating with the African Network on Internationalization of Education (ANIE) to implement the project – <i>Development of a Framework for Sharing R&D Resources on the Internationalisation of Higher Education in Africa</i>. Overall, the main outputs from the project included: <ul style="list-style-type: none"> i) A virtual open forum/platform (<i>African Forum on Internationalisation Resources Exchange, AFIRE</i>) developed for sharing resources on the internationalisation of higher education in Africa; ii) 13 young scholars selected (through an open call for proposals) from all the five sub-regions of Africa, and supported to undertake research on internationalisation of higher education in Africa and produce empirical research outputs on its contribution to achievement of MDGs. 	
Sep 2008 – Dec 2010	<p>Project Manager (ICT Component, WP2): Collaborative Research on East African Territorial Integration within Globalization (CREATING)</p> <ul style="list-style-type: none"> • Creating, developing and strengthening a social sciences and humanities research network bringing together scholars and institutions from the European research area with partner institutions from a number of eastern African countries; • Establishment of a European-African multi-media information resource network, with two main hubs at the MRAC (Tervuren, Belgium) and at the IUCEA headquarters in Kampala, Uganda. 	European Commission (7 th Framework Programme) (EURO 600,000)
Nov 2003 – Apr 2007	<p>Project Coordinator: VarsityNet Project</p> <ul style="list-style-type: none"> • Coordinating ICT researchers from universities in East Africa to implement the following ICT projects: <ul style="list-style-type: none"> i) Software research in e-government: a pilot project for East Africa; ii) Development of inter-university information system based on open source software; iii) Testing and implementation of inter-university information system application. 	UN Economic Commission for Africa (USD 92,500)
Mar 2001 – Jul 2002	<p>Project Coordinator: International Fellowships Programme (IFP)</p>	Ford Foundation (USD 339,000)

	<ul style="list-style-type: none"> • Developing the funding proposal for support to individuals that have hitherto suffered from economic and educational marginalisation and exclusion for postgraduate study; • Establishing the application review procedures, including scoring or rating systems, and convening a panel of scholars, practitioners, and/or other experts to assess applications and make the final selection; • Overseeing post-selection issues, including placement, pre-academic programmes for Fellows, performance monitoring of Fellows, and financial arrangements. 	
May 2001 – Jul 2002	<p>Project Manager: ICT Capacity Enhancement</p> <ul style="list-style-type: none"> • Development and implementation of project to enhance ICT capacity at IUCEA and member universities: <ul style="list-style-type: none"> i) Undertaking a survey on the feasibility of electronic networking amongst East African universities using the existing internet infrastructure: the role of campus websites. ii) Upgrading of the IUCEA website; 	Ford Foundation (USD 200,000)
OTHER PROJECT PROPOSALS FUNDED		
May 2008	Organising Workshop on Tertiary Education and Accelerated Economic Growth in Africa	World Bank (USD 45,000)
Oct 2001	Planning a <i>Leadership and Management Training for Senior University Administrators in East Africa</i>	Rockefeller Foundation (USD 84,988)

4. PUBLICATIONS

A. BOOKS, BOOK CHAPTERS, REPORTS

- [1] **Ayoo, P.O.** (2023). The impact of COVID-19 on higher education in Africa. In: Tierney, R.J., Rizvi, F., Erkican, K. (Eds.), *International Encyclopedia of Education, 8(Elsevier)*, 91–101. <https://dx.doi.org/10.1016/B978-0-12-818630-5.02095-9>.
- [2] Waithima, A., Kuria, M., Agyapong, S., & **Ayoo, P.** (2022). COVID-19 higher education-driven elearning: The digital divide's impact on access and quality in the EAC region. In M. Munyao (Ed.) *Online Learning, Instruction, and Research in Post-Pandemic Higher Education in Africa* (pp. 21-38). Lanham, Maryland: Lexington Books.
- [3] **Ayoo, P.O.** (2022). *Report on impact of Covid-19 on higher education and the future of uninterrupted learning in eastern Africa: Djibouti, Ethiopia, Kenya, Madagascar, Uganda*. Nairobi: UNON Publishing Services.
- [4] Boshoff, H., Dhlamini, I., Wiafe, I., Heleta, S., **Ayoo, P.**, & Jowi, J. (2021). *Early career researchers and digitalisation – insights from Ghana, Kenya and South Africa*. Pretoria: Nuffic Neso South Africa [Report].
- [5] **Ayoo, P. O.**, Wondwosen, T. & Kuria, M. (2020). QA in higher education in Africa: A synoptic view. In S. Karakhanyan & B. Stensaker (Eds.). *Global trends in higher*

education quality assurance: challenges and opportunities in internal and external quality assurance. Barcelona: Sense Publishing.

- [6] **Ayoo, P. O.** (2017) *A framework for sharing constructivist e-learning resources.* Baldi, Moldova: LAP Lambert Academic Publishing. ISBN 978-3-330-34344-3.
- [7] **Ayoo, P. O.** (2011). ICTs for information resources provision: the case of East African university libraries. In C. M. Nyamboga & R. W. Ongus (Eds.). *Digital Libraries and Information Management in the Knowledge Society: Opportunities and Challenges* (pp. 33 – 51) Nairobi: KLA Publications and Goethe Institut. ISBN 9966-7238-2-X.
- [8] **Ayoo, P. O.** & Lubega, J. T. (2009). Academic applications of ICT in developing countries: The case of East African universities. In P. Cunningham & M. Cunningham (Eds.). *IIMC International Information Management Corporation.* ISBN: 978-1-905824-11-3.
- [9] **Ayoo P. O.** & Lubega, J. T. (2008). Exploring the implementation of blended learning in a developing country': a case study of Uganda. In J. Aisbett, G. Gibbon, A. J. Rodrigues, J. M. Kizza, N. Ravi, & G. G. Renardel (Eds.). *Special topics in computing and ICT research: strengthening the role of ICT in development* (pp. 132-143). Kampala: Fountain Publishers. ISBN: 978-9970-02-738-5.

B. JOURNAL ARTICLES

- [1] **Ayoo, P. O.** & Lubega, J. T. (2014). A framework for e-learning resources sharing (FeLRS). *International Journal of Information and Education Technology*, 4(1), 112-119.
- [2] **Ayoo, P. O.** (2009) A requirements analysis framework for human activity systems: The case of online learning. *International Journal of Computing and ICT Research*, 3(1), 12-25.
- [3] **Ayoo, P. O.** (2009) Reflections on the digital divide and its implications for the internationalization of higher education in a developing region: the case of East Africa. *Higher Education Policy*, 22(1), 303-318.
- [4] **Ayoo, P. O.** and Otike, J. (2002) Factors hampering the formulation of a national information policy in Kenya. *Library Review*, 51(7), 350-357.

C. SELECTED CONFERENCES

- [1] **Ayoo, P. O.** (2024, May 8-10). *Mainstreaming ICT within higher education in East Africa [Conference presentation].* Regional Convening on the Impact of Private Universities on Public Universities in Africa, Nairobi, Kenya.
- [2] McVeety, M, Jowi, J., Sehoole, C., Strang, K., & **Ayoo, P.** (2022, November 24-25). *Developing new models for mutually beneficial and inclusive North-South partnerships [Conference panel chair].* 12th ANIE Conference – Facing the Future: Developments in Africa's Higher Education Cooperation beyond COVID 19.

- [3] **Ayoo, P.**, Hague, J., Ngila, J., & Amassoma, B. (2022, November 10-11). *Blending education and technology: enhancing digital learning for higher education in Africa* [Conference panel discussion]. African Summit on Entrepreneurship and Innovation, ASENTI 2022, Nairobi, Kenya.
- [4] Ijumba, N. & **Ayoo, P. O.** (2022, March 28 – April 1). *International Africa hub: function, success showcase, and researcher engagement pathways* [Conference presentation]. Coventry University Research Culture Week, Coventry, UK.
- [5] **Ayoo, P. O.** (2021, September 6-9). *Impact and Implications of the COVID-19 Pandemic on Quality of Higher Education Training, Learning, Research and Community Service in the EAC Partner States* [Conference presentation]. Dialogue Event for East Africa Higher Education Stakeholders, DAAD DIES Programme, Nairobi, Kenya.
- [6] **Ayoo, P. O.** (2020, February 18-20). *Quality assurance systems in Africa* [Conference presentation]. Workshop for Implementation of Component 3 of the UNESCO/Shenzhen Funds-In-Trust (FIT) Project on Strengthening Networking in Quality Assurance in Africa and Development of Continental Tools for Mutual Recognition of Qualifications, Dakar, Senegal.
- [7] **Ayoo, P. O.** (2020, February 18-20). *Trends in recognition of qualifications and linkage of quality assurance to recognition of qualifications: the case of EAC Common Higher Education Area* [Conference presentation]. Workshop for Implementation of Component 3 of the UNESCO/Shenzhen Funds-In-Trust (FIT) Project on Strengthening Networking in Quality Assurance in Africa and Development of Continental Tools for Mutual Recognition of Qualifications, Dakar, Senegal.
- [8] **Ayoo, P. O.** & Kuria, M. (2019, October 2 – 4). *Internationalisation for Regional Integration: Reflections on the East African Staff Mobility Programme* [Conference presentation]. 9th Annual Conference of the African Network for Internationalisation of Education, Nairobi, Kenya.
- [9] **Ayoo, P. O.** (2018, November 7). *Research, Development and Innovation in Higher Institutions of Learning* [Keynote address]. Workshop and Launch of Digital Access to Research - Technology Bank, Uganda Christian University, Mukono, Uganda.
- [10] **Ayoo, P. O.** (2017, October 4 – 6). *Harnessing the Potential of Academia-Public-Private Partnerships for the Socio-economic Development and Regional Integration in East Africa* [Conference presentation]. 8th Annual Conference of the African Network for Internationalisation of Education, Kigali, Rwanda.
- [11] **Ayoo, P. O.** (2016, October 5 – 7). *Results-based financing model for development projects: the case of Eastern and Southern Africa higher education centers of excellence* [Conference presentation]. 7th Annual Conference of the African Network for Internationalisation of Education, Accra, Ghana.

- [12] **Ayoo, P. O.** (2013, October 2 – 4). *ICT as an enabler of regional integration through academic and research collaboration within a sub-region* [Conference presentation]. 5th Annual Conference of the African Network for Internationalisation of Education, Addis Ababa, Ethiopia.
- [13] **Ayoo, P. O.** (2012, March 29 – 30). *Enhancing the capacity of East African universities to utilize ICT for sustainable regional development* [Conference presentation]. Regional Conference on Strengthening the Relevance of African HEIs to Development, Association of African Universities, Kampala, Uganda.
- [14] **Ayoo, P. O.,** Lubega, J. T. & Muyinda, P. B. (2011, July 12 – 15). *Development of a framework for e-learning resources sharing within universities in East Africa* [Conference presentation]. 3rd ACDE Conference, Dar es Salaam, Tanzania
- [15] **Ayoo, P. O.** (2010, Nov 2 – 5). *Towards an OER-based regional framework for sharing e-learning resources for universities* [Conference presentation]. 2nd Annual Conference of the African Network for Internationalisation of Education, Kampala, Uganda.
- [16] **Ayoo, P. O.** (2009, September 3 – 4). Role of ICT in the internationalisation of higher education in Africa: does policy matter? [Conference presentation]. 1st Annual Conference of the African Network for Internationalisation of Education, Moi University, Eldoret, Kenya.
- [17] **Ayoo P. O.** (2008, May 27 – 29). *Assessing the ICT maturity of university libraries in East Africa: progress, challenges, lessons* [Conference presentation]. Libraries and Knowledge Management for the Kenya Vision 2030, Kenya Library Association, Egerton University, Njoro, Kenya.
- [18] **Ayoo, P. O.** (2008, Nov 18 – 20). Are East African universities ready for e-learning? [Conference presentation]. 1st Regional Conference on e-Learning, Kenyatta University, Nairobi Kenya.
- [19] **Ayoo, P. O. &** Lubega, J. T. (2008, Nov 18 – 20). *Towards a constructivist framework for the development of personalised online learning systems* [Conference presentation]. 1st Regional Conference on e-Learning, Kenyatta University, Nairobi Kenya.
- [20] **Ayoo P. O. &** Baryamureeba, V. (2007 October 11 – 15). *Software research in e-government: a pilot project for East Africa* [Conference presentation]. Fourth African Development Forum (ADF IV), UN Economic Commission for Africa, Addis Ababa, Ethiopia.
- [21] **Ayoo P. O.** (2006, February 22 – 25). *Prototype development of a university students' information system* [Conference presentation]. IDLELO2 on Achieving Millennium Development Goals through Community Software, Nairobi, Kenya.
- [22] **Ayoo P. O.** (2006, May 24 – 26). *East African VarsityNet project: development of inter-university information system based on open source software* [Conference presentation]. 1st International Conference on ICT for Development, Education and Training (e-Learning Africa), Addis Ababa, Ethiopia.

- [23] **Ayoo, P. O.** and Siminyu, S. N. (2003, November 28). *Old versus new media for instructional design: Introduction to oral literature* [Conference presentation]. IITE Specialised Training on ICTs for Distance E-learning for Countries in sub-Saharan Africa, University of South Africa (UNISA), Pretoria.

D. POLICY BRIEFS

- [1] Phasing out islands of knowledge: cyberspace enables universities to share learning resources
- [2] Retooling East African university staff for the digital age
- [3] Unleashing the potential of online information resources: who benefits?
- [4] Neutralizing the demand and costs of bandwidth connectivity in East African universities
- [5] University partnerships can reduce poverty
- [6] Institutional strategies for meaningful internationalization of African universities

E. THESES AND DISSERTATIONS SUPERVISED

	TITLE
1.	Enhanced Multisector Communication Model for Emergency Management: A Community-Based Approach
2.	Enhanced Premise Accessibility Application Using Biometrics
3.	Ecommerce Adoption Frameworks for SMEs in Developing Countries

5. PROFESSIONAL ASSOCIATIONS/GROUPS

- i) Senior Member – Uganda Computer Society
- ii) Member – Association of Information Scientists
- iii) Secretary – Makerere University e-Learning Research Group
- iv) Secretary – Steering Committee on ICT and Library Education in East Africa

6. POSITIONS OF RESPONSIBILITY HELD

- i) Chair – IUCEA Editorial Committee
- ii) Convenor – Taskforce on the Development of the IUCEA Rolling Strategic Plan 2011-2016
- iii) Chair – IUCEA Strategic Plan Implementation Committee
- iv) Secretary – Committee on Academia-Public-Private Partnership Forum and Exhibitions
- v) Member – IUCEA Management Committee
- vi) Member – Project Steering Committee, Eastern and Southern Africa Higher Education Centers of Excellence (ACE II) Project
- vii) IUCEA Representative – Committee on establishment of the *East African Journal of Science, Technology and Innovation*

- viii) IUCEA Representative – Working Group on EAC Statistical Database Harmonisation Project
- ix) Member – EALP M&E/Health Management Information System Taskforce
- x) Chair – Faculty of Information Sciences Staff Welfare Association (January 1999 – June 2000)

7. PERSONAL DETAILS

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I certify that all information stated in this CV is true and complete to the best of my knowledge.

Kigali Rwanda, May 20 2024



Philip Ouma Ayoo