

MAKERERE UNIVERSITY BUSINESS SCHOOL

FACULTY OF COMPUTING AND INFORMATICS

FCI RESEARCH OUTPUT REPORT FOR THE PERIOD 2017 TO PRESENT

I. YEAR 2022

A. 2022 Grants

1. Dr. Abbey Mutumba, Dr. Denis Male, Prof. Musa Moya, Dr. Samali V. Mlay and Gift Arnold Mugisha (2022). Development of Freza, a nanotechnology-based preservation solution for shelf life extension of fruits and vegetables for the local farmer, retailer and vendor in Uganda. Obtained a grant of UGX 98,000,000 from Makerere Research and Innovation Fund.
2. Prof. Joseph K. Bada and Royal Holloway University in London (2022). Obtained a grant of UGX 240,000,000 from Grand Challenges Canada for a project titled, "Fostering digital learning environment for adolescent reproductive health education".

B. 2022 Publications

1. Sarah Watera, Samali V. Mlay, Noah Mwelu, Joseph M. Ntayi, Moses Muhwezi. (2022). Uganda's Antiretroviral Distribution: Sourcing Flexibility Mediates Information Technology Integration and Supply Chain Agility, *International Journal of Procurement Management* 1(1):1, DOI: 10.1504/IJPM.2022.10049594
2. Kasule Abdal, Mutebi Bashir & Ssentumbwe Abdallah Male. (2022). A bibliometric analysis of health and medicine research in Uganda. *Annals of Health Research*. 8 (3), 192-204, doi: 10.30442/ahr.0803-03-170
3. Kalinaki Hussein, Mukuuma Kassim, & Mwase Ali. (2022). Cloud Computing Acceptance in Small and Medium Enterprises (SMEs) in Uganda. *Saudian Review of Financial Technology and Management Studies*, 2(1), 1-10. Available online at <http://pubs.sciepub.com/srftms/2/1/1>, Published by Science and Education Publishing, DOI:10.12691/srftms-2-1-1
4. Sonny Juma Nyeko, Judith Among, Bonface Abima & Cosmas Ogen. (2022). Assessing electronic waste recycling and disposal intentions based on an Extended Valence Theory in a developing country context. *ORSEA Journal*, 12 (1), 58-75
5. Kagoya Sumaya M., & Mkwizu Kezia H. (2022). E-logistic Practices and Health Care Supply Chain Management for Public Referral Hospitals in Uganda. *University of Dar es Salaam Library Journal*, 17(1), 72-90, ISSN: 0856-1818
6. Uzoka Faith-Michael, Mugisha Gift, Attai Kingsley, Boluwaji A. Akinuwaesi, Mlay Samali V., et al. (2022). Tackling Occupational and Nosocomial Infection using Vitex-Medical Assistant Tool. *IST-Africa 2022 Conference Proceedings*. Miriam

Cunningham and Paul Cunningham (Eds). IST-Africa Institute and IIMC, 2022. ISBN: 978-1-905824-68-7

7. Sonny Juma Nyeko, Samali Mlay, Judith Among & Abdallah Ibrahim Nyero (2022). Towards a sustainable electronic waste management in Uganda: A stakeholder perspective. *African Journal of Environmental Science and Technology*, 16 (6), 238-251. DOI: 10.5897/AJEST2021.3088. Article Number C831FE769305, ISSN 1996-0786
8. Kagoya Sumaya M., Tinali Gerald, Z. P., & Caine Jamie. (2022). A multi-group analysis of salient determinants of E-Government implementation success in developing countries: A case of Uganda and Tanzania. *University of Dar-es-Salaam Library Journal*, 16(2), 119-138, ISSN: 0856-1818S

C. Books and Book Chapters

1. Kagoya M. Sumaya, & Mushi, A. R. (2022). ICT usage in supermarkets in East Africa: Benefits, challenges, and way forward. In *Supermarket Retailing in Africa* (pp. 70-90). Routledge.
2. Mushi, A. R., & Kagoya, S. M. (2022). Operations research contribution to the performance of supermarkets in East Africa. In *Supermarket Retailing in Africa* (pp. 104-128). Routledge.

D. Faculty Research Seminar

We held a Faculty research seminar on August 10, 2022 specifically for training of trainers to prepare to supervise the BBC and BOIM III research projects. Plans are underway to organize a bi-monthly seminar for research training, mentorship, presentations and feedback.

E. 2022 Conference Presentations

1. Byomire Gorretti, Commonwealth Youth Forum, CHOGM Rwanda, 19-21 June 2022 with the theme of 'Taking Charge of our Future'.
2. Byomire Gorretti, Commonwealth Business Forum, CHOGM Rwanda, 21-23 June 2022 with the theme of Delivering a Common Future: Connecting, Innovating, Transforming, with a focus on "A Global Reset", dealing with the impact of the pandemic and the Commonwealth's role in rebuilding and reinvigorating the global economy.
3. Byomire Gorretti, Commonwealth Women's Forum, CHOGM Rwanda, 20-21 June 2022 with the theme of 'Delivering a Common Future: Transforming for Gender Equality'
4. Byomire Gorretti, Guest Speaker at the SHE-STEM CLUB on 2nd July 2022, Fundamentals of Gender roles towards Change in the Tech Eco-System
5. Byomire Gorretti, Guest Speaker and Panelist at the Inclusive Education Community of Practice at the University of Minnesota Twin Cities, 23rd June 2022

II. YEAR 2021

A. 2021 Grants

1.

B. 2021 Publications

1. Sonny Juma Nyeko, Samali Mlay, Bosco Amerit, & Abdallah Ibrahim Nyero (2021). Drivers and inhibitors of sustainable electronic waste collection and disposal behavioural intentions in a developing country. *ORSEA Journal*, Vol. 11(2). Accessed on <https://journals.udsm.ac.tz/index.php/orsea/issue/view/528/showToc>
2. Robinah Nabafu, Johnson S Sekakubo, Catherine Nyesiga, Zuhrah Nantege (2021). Citizen engagement in policy formulation through E-participation: A case of academic staff of Makerere University. *ORSEA Journal*, Vol. 11(2). Accessed on <https://journals.udsm.ac.tz/index.php/orsea/issue/view/528/showToc>
3. Mbura Omari K., & Kagoya Sumaya M. (2021). Effects of advertisement on consumers' buying behavior of real estates in Tanzania: Insight from the National Housing Corporation. *Tanzania Economic Review*, Mbura Omari K., & Kagoya Sumaya M. (2021). 11(1), 137-155
4. Kagoya Sumaya M. & Mbamba O.L. Ulingeta. (2021). User Participation Approach to Key Attributes of E-Government Implementation in Developing Countries: A Case of Tanzania. *Business Management Review*, 24(1), 87-107
9. Kyeyune Robert, Ssembatya Vincent, Miir Edward, Kasule Abdal, Samali V. Mlay, Walugembe John Baptist, Joyce Adikin. (2021). Movement Permit & Tracking System (MPTS), *International Journal of Engineering Research and Technology (IJERT)*, 10 (01)
10. Mbura Omari K., & Kagoya Sumaya M. (2021). Salient attributes to employee compliance with mobile operation ethics in Tanzania, A case of Vodacom Tanzania PLC. *University of Dar-es-Salaam Library Journal*. 15(1), 67-86
11. Kato Ismael, Mlay V. Samali, Nantege Zuhra, Miwanda Albert & Naluwooza Ruqqaia. (2021). Mobile Technologies, Digital Financing and Access to Solar Energy in Uganda. *International Journal of Technology and Management (IJTOM)*, 5(II), pp 1-23
12. Abima Bonface, Engotoit Bernard, Kituyi G. Mayoka, Kyeyune Robert, & Koyola Michael. (2021). Relevant local content, Social influence, Digital literacy and attitude toward use of digital technologies by women in Uganda. *Gender, Technology and Development*, © Asian Institute of Technology. Routledge, Taylor and Francis Group. <https://doi.org/10.1080/09718524.2020.1830337>

5. Faculty Research Seminar

1. Zuhra Nantege, Robinah Nabafu and Catherine Nyesiga - Influence of infrastructural availability, perceived usefulness, sensitization and awareness on behavioral intentions towards actual usage of mobile devices to access E-government services
2. Dr. Mayoka Kituyi and Ms. Fatinah Nakabonge - Development of a Traditional Herbal Medicine Archive System (THMAS); A reference dictionary on Accessibility and Proper Use of African Traditional Medicines
3. Ismael Kato, Boniface Abima and Zuhra Nantege - Stakeholder Coordination and E-Government Systems Interoperability in Uganda
4. Nabafu Robina and Asianzu Elizabeth - ICT initiatives in bridging rural-urban school-based digital divide.
5. Namaganda Shammy and Oketcho Mike - of Material Control and Effective Production: A case study of Brookside Dairy Uganda Ltd
6. Nyesiga Catherine, Robinah Nabafu and Zuhra Nantege - Mediating role of behavioral intention in the relationship between Effort expectancy, performance expectancy, ICT infrastructure, trust and actual engagement in E-participation.
7. Dr. G. Kituyi and Mr. Bonface Abima - E-Health Readiness and Sustainability of E-Health Projects: A case study of Public Hospitals in Uganda
8. Fatuma Nakawoya, Nabafu Robina and Sam Eelu - Effectiveness of mobile phones in the Distribution of E-Government services in Uganda.

6. 2021 Conference Presentations

1. Byomire Gorretti, 3rd Dec 2021, Organizer, Webinar on “Leadership and Participation of Persons with Disabilities post COVID–19 – Intended to mark and celebrate International Day of Persons with Disabilities (IDPD).
2. Byomire Gorretti, 25th Nov–8th Dec 2021, Brave Voices Campaign, #OrangetheWorld, 16 Days of Activism against Gender–Based Violence particularly to women and girls with disability.
3. Byomire Gorretti, Nov 2021, Presenter, Disability Capacity Building Seminar, Gulu University – Relevance of Networking in Career Building.
4. Byomire Gorretti, Oct 2021, Inclusive Education During COVID–19: What next for parents and educators? Mandela Washington Fellowship Disability Inclusion Group Monthly Meetings.
5. Byomire Gorretti, Oct 2021, Panelist, ICTs and Disability Inclusion, Webinar, Grassroots Strategies Africa and DASUNS;
6. Byomire Gorretti, Sept 2021, Guest Speaker, Basic Education and Literacy with Focus on learners with Special Needs Webinar, Rotary Club–Bweyogerere.

7. Byomire Gorretti, Sept 2021, Panelist, Inclusive Education in Mali Webinar – organized by Diana Sididi, a Mandela Washington Fellow, North Country Center for Independence (NCCI);
8. Byomire Gorretti, Aug 2021, WhatsApp Chat (Monthly), topic: Best Practices in Education and Assessment of Children with Intellectual Disabilities, Signs of Hope Trust and MISA Zimbabwe.

III. YEAR 2020

A. 2020 Grants

1. Sonny Nyeko, Samali V. Mlay, Odiya, Bosco Amerit, Judith Among, Joseph Abima Bonface & Ogen Cosmas (2020). Towards Sustainable Electronic Waste Management in Uganda: Baseline Survey and Best Practices. Funded by Research Innovation Fund (RIF). Grant amount UGX 157,248,600
2. Kasse John Paul, Edward Kabaale, Charles Olupot, Mohammed Kigundu, Remmie Namutangula, Robert Kyeyune, Claire Kangwaje & Akodu (2020). Leveraging Technology to Improve Implementation and Monitoring of the SAGE programme. Funded by Research Innovation Fund (RIF). Grant amount UGX 157,500,000
3. Bada Joseph Kizito, Elizabeth Asianzu, Miir Maria K, Fatuma Nakawoya, Abima Bonface, Nyero Abdallah & Namuwaya Hajara (2020). Developing and Testing Digital Games for Teenage Reproductive and Mental Health Education. Funded by Research Innovation Fund (RIF). Grant amount UGX 69,669,800
4. Musa Moya, Ismael Kato, Abima Bonface, Gorretti Byomire and Engotoit Bernard (2020). Adoption of Assistive Technologies for Students with Disabilities in Higher Education Institutions in Uganda. Funded by Research Innovation Fund (RIF). Grant amount UGX 73,950,040
5. Kyeyune Robert, Mlay Samali V., Walugembe R., and Ssembatya Vincent. (2020). Movement Permit and Tracking System. Funded by Research Innovation Fund (RIF) Special Covid 19 call. Grant amount UGX 59,680,000
6. Ssentumbwe Abdul, Walugembe A., Mujabi S., Golooba U. (2020). Modelling Machine Translation of Uganda Ministry of Health Emergency Communication from English to chosen local languages. Funded by Research Innovation Fund (RIF) Special Covid 19 call. Grant amount UGX59,360,000
7. Bada Joseph Kizito, Nyero Abdallah, Asianzu Elizabeth, Namuwaya Hajarah Ali, Nakawoya Fatuma. (2020). Renewable Energy Technologies for e-services in un-electrified communities in rural West Nile region of Uganda. Grant amount UGX25,000,000

B. 2020 Publications

1. Kagoya Sumaya M., & Mbamba O. Ulingeta. (2020). Moderating effects of top management support on key attributes to e-Government implementation success in developing countries: a case of Ugandan Ministries. *ORSEA Journal*, 10(2), 33-51
2. Kagoya Sumaya M., & Mbura Omari K. (2020). Social media effectiveness on youth purchasing behaviour of soft drinks in Tanzania: a study of University of Dar es Salaam students. *University of Dar es Salaam Library Journal*, 15(2), pp 100-120, ISSN: 0856-1818
3. Khatiya Kato Philip & Miwanda Albert (2020). Factors affecting the use of ICT in the Insurance industry in Uganda. *The Journal of Insurance Institute of India*.
4. Kagoya Sumaya M., & Mbamba O. Ulingeta. (2020). The influence of user participation attributes on e-government implementation success in developing countries: a case of Uganda. *University of Dar es Salaam Library Journal*, 15(2), pp 3-20, ISSN: 0856-1818
1. Kagoya, S. M., & Gilbert, M. (2020). An E-government Readiness Assessment Framework for Ugandan Ministries. *ORSEA Journal*, 10(1).
2. Kagoya, M. S. (2020) Tourism Innovations in Developing Economies. Is It Top Leadership and Management Support or embracing ICTs to Boost the Tourism Industry in Uganda? Role Model, Personal Perspective. *ATLAS Tourism and Leisure Review*, 2020(1), ISSN 2468–6719, pp 53-62.
3. Kagoya, M. S. and Mkwizu, H, K. (2020). ICT Usage in Panelist Sessions to Enhance Completion of PhD Studies in Public Universities – Study of Uganda and Tanzania. *ATLAS Tourism and Leisure Review*, 2020(1), ISSN 2468–6719, pp 63-73.
4. Kassim Mukuuma, Kyeyune Robert, Mwase Ali and Engotoit Benard (2020). Examining the influence of e-banking security on customer satisfaction in Uganda; a case of Ugandan Commercial Banks. *ICTACT Journal on Management Studies*. 6(2), 1225-1232
5. Namakula Sarah Jannat, Alain Vilard Ndi Isoh, Engotoit Benard and Abdallah Ziraba (2020). Determinants of online purchase intention in Uganda. *Internation Journal of Science and Business*. 4 (3), 132-146. Retrieved from <https://ijsab.com/wp-content/uploads/506.pdf>
6. Namisango Fatuma, Miir Maria Kafuko, Byomire Gorretti, (2020). Towards an inventory of social media affordances. *Association of Information Systems Electronic Library (AISEL)*. 23rd Pacific Asia Conference on Information Systems (PACIS) Proceedings. Presented on June 22, 2020 in Dubai, UAE.

5. 2020 Conference Presentations

1. Namisango Fatuma, Miir Maria Kafuko, Byomire Gorretti, (2020). Towards an inventory of social media affordances. *Association of Information Systems Electronic Library (AISEL)*. 23rd Pacific Asia Conference on Information Systems (PACIS) Proceedings. Presented on June 22, 2020 in Dubai, UAE.

2. Bada Joseph Kizito, Nyero Abdallah, Asianzu Elizabeth, Namuwaya Hajarah Ali. (2020). Predicting online purchase intentions in Business Administration Graduate Studies.
3. Byomire Gorretti, Oct 2020, Webinar on “Institutional Readiness to Promote and Adapt Distance Learning for Learners with disability”.

IV. YEAR 2019

A. 2019 Grants

1. Robert Kyeyune, Walugembe John Baptist, Ismael Kato, Zuhra Nantege and Angella Nansimbwa. Won the first MUBS ICT Innovation challenge in May 2019 with their prototype ALGOWRITER. Algowriter is an integrated timetabling system with many modules. Grant amount USD1,000
2. Philip Kato Khatiya and Joseph Michael Matembu (2019). Developing an information system for MUBS SACCO. In testing and implementation stage. Grant amount UGX 5,000,000
3. Philip Kato Khatiya and Albert Miwanda, (2019). ICT in Insurance: the untapped potential of the insurance industry and its associated barriers within Uganda insurance industry. Funded by the Insurance Institute of Uganda. Grant amount 10,000,000.
4. Ruqqaiya Naluwooza & Philper Tusubira (2019). ICT adoption and performance of pupils; Empirical evidence of rural public primary schools in Uganda. Faculty of Computing and Informatics Research Grant. Grant amount UGX 5,000,000.
5. Zuhra Nantege, Robinah Nabafu and Catherine Nyesiga (2019). Influence of infrastructural availability, perceived usefulness, sensitization and awareness on behavioral intentions towards actual usage of mobile devices to access E-government services. Faculty of Computing and Informatics Research Grant. Grant amount UGX 5,000,000.
6. Ismael Kato, Boniface Abima and Zuhra Nantege (2019). Stakeholder Coordination and E-Government Systems Interoperability in Uganda. Faculty of Computing and Informatics Research Grant. Grant amount UGX 5,000,000.
7. Geoffrey Mayoka Kituyi and Fatinah Nakabonge (2019). Development of a Traditional Herbal Medicine Archive System (THMAS); A reference dictionary on Accessibility and Proper Use of African Traditional Medicines. Faculty of Computing and Informatics Research Grant. Grant amount UGX 5,000,000.
8. Nyesiga Catherine, Robinah Nabafu and Zuhra Nantege (2019). Mediating role of behavioral intention in the relationship between Effort expectancy, performance expectancy, ICT infrastructure, trust and actual engagement in E-participation. Faculty of Computing and Informatics Research Grant. Grant amount UGX 5,000,000.

9. Geoffrey M. Kituyi and Bonface Abima (2019). E-Health Readiness and Sustainability of E-Health Projects: A case study of Public Hospitals in Uganda. Faculty of Computing and Informatics Research Grant. Grant amount UGX 5,000,000.

B. 2019 Publications

1. Asianzu E. (2019). Improving E-Consultation through Digital Crowdsourcing In Uganda: A Quantitative Survey. 18th International Conference on WWW/Internet 2019. Pg 191-195. DOI: 10.33965/icwi2019_201913D028, ISBN: 978-989-8533-94-4 <http://www.iadisportal.org/digital-library/>
2. Kagoya M. Sumaya and Kezia H. Mkwizu (2019). Factors Influencing African Youths at Higher Education Institutions to shop Online: A study of Uganda. *International Journal of Research and Methodology in Social Science*. 5(1), 68-75. ISSN 2415-0371 (online), DOI: 10.5281/zenodo.3334943
3. Kezia H. Mkwizu and Kagoya M. Sumaya (2019). Panelist Sessions and PhD studies: UTAUT Approach. *International Journal of Research and Methodology in Social Science*. 5(1), 49-57. ISSN 2415-0371 (online), DOI: 10.5281/zenodo.3334935
4. Kyeyune Robert, Bernard Engotoit, Fatina Nakabonge (2019). The Mediation Effect of Instrumentality in the Relationship between Expectancy and E-Agriculture Usability in Uganda. 14th ORSEA Conference Proceedings Nov. 2018
5. Kyeyune Robert, John Baptist Walugembe, Gorretti Byomire, Benard Engotoit and Fatinah Nakabonge (2019). Leveraging smart ICT Technologies for improving energy utilization efficiency in selected institutions in Uganda. *ICTACT Journal on Management Studies*. 5(2), 979- 990. ISSN 2395-1664 (Online), DOI: 10.21917/ijms.2019.0134
6. Matovu D., Mwase, A., Engotoit, B., Mukuuma, K., & Ocen G.G. (2019). ICT integration challenges into service delivery in the Ugandan Ministry of Local Government: A Literature Review. *American Journal of Online and Distance Learning (AJODL)*, 1(1), 1-10
7. Mlay, S.V., & Sabi, H.M. (2019). A Structural Equation Analysis of ICT based interventions on Reading Culture in Uganda accepted for publication by *The Information Society* DOI: 10.1080/01972243.2018.1542645
8. Namisango Fatuma, Miro Maria Kafuko, Byomire Gorretti, (2019). Orchestrating Enterprise social media for knowledge co-creation, an interactionist perspective. *VINE Journal of Information and Knowledge Management Systems*. 50(1), 57-74. DOI 10.1108/VIJKMS-12-2018-0115
9. Zawedde Amina, Bernard Engotoit, Osbert Osamai Omeja & Peter Kahiigi. (2019). A User-centered Approach to the Development of E-Health Systems: A case of Uganda. *ICST, Institute for Computer Sciences, Social Informatics and Telecommunications Engineering*. Published by Springer Nature Switzerland. LNICT 275, pp 254-264. https://doi.org/10.1007/978-3-030-16042-5_22

C. 2019 Conference Presentations

1. Amulen Joan, Engotoit Benard, Abima Bonface & Kyeyune Robert (2019). Adoption of Mobile Banking services in Rural areas of Uganda. Presented at the 24th Annual International Management Conference (AIMC) held on September 10-13, 2019, Imperial Resort Beach Hotel Entebbe.
2. Bada Joseph Kizito, Asianzu Elizabeth, Nakawoya Fatuma and Lugemwa Brian. (2019). ICT ecosystem of Uganda: benefits, challenges and opportunities. Presented at the 24th Annual International Management Conference (AIMC) – Managing Business in the digital era. September 10-13, 2019, Entebbe Uganda.
3. Bada Joseph Kizito, Asianzu Elizabeth, Nyero Abdallah, Abima Bonface (2019). Fostering e-learning in MBA programme at Makerere University Business School. Presented at the 24th Annual International Management Conference (AIMC) – Managing Business in the digital era. September 10-13, 2019, Entebbe Uganda.
4. Bada Joseph Kizito, Fatuma Nakawooya, Brian Lugemwa, Asianzu Elizabeth. (2019). ICT Ecosystem of Uganda: Benefits, Challenges and Opportunities. Presented at the 24th Annual International Management Conference (AIMC) held on September 10-13, 2019, Imperial Resort Beach Hotel Entebbe.
5. Dongo David, Olupot Charles, & Lucy Jepcheg Rono. (2019). Social Influence, Law Enforcement and the Consumption of Counterfeit Products in Uganda. Presented at the 24th Annual International Management Conference (AIMC) held on September 10-13, 2019, Imperial Resort Beach Hotel Entebbe.
6. Engotoit B., Kyeyune R. Field study Requirements for achieving usability of e-health systems in resource constrained settings. A case of Ugandan healthcare units. Presented at the 24th Annual International Management Conference (AIMC) – Managing Business in the digital era. September 10-13, 2019, Entebbe Uganda.
7. Engotoit, B., Mukuuma K., Mwase, A., & Kyeyune R., (2019). Examining the influence of E-Banking security on customer satisfaction in Uganda: A case of Ugandan Commercial Banks. Presented at the 24th Annual International Management Conference (AIMC) held on September 10-13, 2019, Imperial Resort Beach Hotel Entebbe.
8. Kabaale Edward, Lian Wen, Zhe Wang, and Terry Rout (2019). Formalising process assessment and capability determination: an ontology approach. Presented in October
9. Kagoya M. Sumaya, & Dr. Kezia H. Mkwizu. (2019). ICT Usage in Procurement Practices for Successful Health Care Supply Chain Management: A Study of Uganda and Tanzania. Presented at the 24th Annual International Management Conference (AIMC) held on September 10-13, 2019, Imperial Resort Beach Hotel Entebbe.
10. Mlay V. Samali, Kato Ismael, Nantege Zuhra, Miwanda Albert, Naluwoza Ruqqaia (2019). Digital Financing and Access to Solar Energy in Uganda. Presented at the 24th Annual International Management Conference (AIMC) – Managing Business in the digital era. September 10-13, 2019, Entebbe Uganda.

V. YEAR 2018

A. 2018 Grants

1. Samali V. Mlay, Ismael Kato, Albert Miwanda, Zuhra Nantege and Naluwooza Ruqqaiya (2018). Information Communication Technology, Digital Financing and Access to Solar Energy in Uganda. A research project fund under the Norwegian Programme for Capacity Development in Higher Education and Research for Development (Norad-NORHED). Grant amount of UGX 25,000,000.

B. 2018 Publications

1. Kagoya M. Sumaya & Masele John (2018). Academic safety and health requirements for ICT usage by PhD students in developing countries: A case of University of Dar-es-Salaam (Tanzania) and Makerere University (Uganda). *International Journal of Education and Development using Information and Communication Technology*
2. Moya M.B., Nakawoya F, & Akodo R (2018). Convenience of Mobile Money Services, Usage and Financial Inclusion of Mobile Money users in Uganda. *ORSEA Journal* 8(1).
3. Moya, M., Engotoit, B., & Mayoka Kituyi, G. (2018). Mediating effect of price value on effort expectancy and behavioural intentions to use mobile communication technologies by commercial farmers in uganda. *ICTACT Journal of Management studies, Volume: 04, Issue: 02, ISSN: 2395-1664 (ONLINE)*
4. Mugerwa, S., Moya, M.B., & Kituyi M G. (2018). Determinants of Behavioural Intention in adoption Network Monitoring Systems. *International Journal of Computing Applications Technology and Research*, 7(3), 139-157, ISSN 2319-8656.
5. Nakawoya F, Moya M, Akodo R, & Kituyi M G. (2018). Cost of Transacting Mobile Money Services, Usage of Mobile Money Services and Financial Inclusion in Uganda. *ICTACT Journal on Management Science (ICTACT IJMS Journal)*. ISSN. 2395-1664.
6. Sabi, H.M., Uzoka, F.M.E., Mlay, S.V. (2018). Staff perception towards cloud computing adoption at universities in a developing country, Springer Education and Information Technologies. Vol 18, No. 4, <https://doi.org/10.1007/s10639-018-9692-8>
7. Serugo, M., Moya, M.B., Engotoit, B., & Miwanda, A. (2018). Adoption of Mobile telephones in the National Agricultural Advisory Services Poverty Reduction initiatives in Uganda. *ICTACT Journal on Management Science (ICTACT IJMS Journal)*, 4(2), 712-722, ISSN: 2395-1664.
8. Shafiq Mugerwa, Musa B. Moya, Geoffrey Mayoka Kituyi (2018) Determinants of Behavioral Intention in Adopting Network Monitoring System. *International Journal of Computer Applications Technology and Research*. 7(03), 139-157, 2018, ISSN: 2319-8656

C. 2018 Conference Presentations

1. Engotoit B. & Zawedde, A. (2018). A User-Centered Approach to the Development of E-Health Systems: A Case of Uganda. Accepted for presentation at the AFRICOMM 2018 Conference to be held in November 2018 in Senegal.

2. Engotoit B., Kyeyune R., Serugo M. Abima B. (2018). Field-based Evaluation results for the designed framework for usability of e-health systems: A Case of Uganda. A Paper presented at the 23rd Annual International Management Conference held on September 11-13, 2018 in Mbarara.
3. Engotoit, B., Zawedde, A., Kyeyune, R., & Serugo, M. (2018). Field-based Evaluation results for the designed framework for usability of e-health systems: A Case of Uganda. A Paper presented at the 14th ORSEA Conference held on November 8-9, 2018 in Dar-es-Salaam, Tanzania.
4. Kagoya M Sumaya & Jani Dev. (2018), The Use of ATMs in Improving Bank Performance in Commercial Banks. A Paper presented at the 14th ORSEA Conference held on November 8-9, 2018 in Dar-es-Salaam, Tanzania.
5. Kagoya M Sumaya, Dev Jani and Gilbert Maiga (2018), An E-government Readiness Assessment framework in Uganda. A Paper presented at the 14th ORSEA Conference held on November 8-9, 2018 in Dar-es-Salaam, Tanzania.
6. Kyeyune Robert and Engotoit Bernard (2018). Field study Requirements for achieving usability of e-health systems in resource constrained settings. A case of Ugandan healthcare units. A paper presented at the 21st AIMC conference in Mbarara.
7. Kyeyune Robert, Engotoit Bernard, Nakabonge Fatina, (2018), The Mediation Effect of Instrumentality in the Relationship between Expectancy and E-Agriculture Usability. A Paper presented at the 14th ORSEA Conference held on November 8-9, 2018 in Dar-es-Salaam, Tanzania.
8. Mbabazi, P., Mlay, S.V., & Ssewanyana, J.K. (2018). Consumer attitude, subjective norms, perceived behavioural controls and adoption of online shopping in Kampala city, Uganda. Presented at the 23rd Annual International Management Conference held on September 11-13, 2018 in Mbarara.
9. Mwathi S. M., Mlay S. V., & Nkote, I. N. Mobile Money Transfer Services and financial inclusion in Uganda. Presented at the 23rd Annual International Management Conference held on September 11-13, 2018 in Mbarara.
10. Nakabonge Fatina & Kituyi G.M. (2018). Attention and domestication of social media for health in Uganda. Presented at the 23rd Annual International Management Conference held on September 11-13, 2018 in Mbarara.
11. Nyeko Sonny, Niwe Moses, Langmia Kehbuma, Moya Musa, Kituyi M. Geoffrey (2018), The Moderating role of IT Competence in the relationship between IT Governance Steering Committee, Organization Culture and IT Governance Effectiveness. A Paper presented at the 14th ORSEA Conference held on November 8-9, 2018 in Dar-es-Salaam, Tanzania.

VI. YEAR 2017

A. Grants

1. Kyeyune R. (2017). Leveraging Smart ICT Technologies for Improving Energy Utilization Efficiency in Selected Institutions in Uganda. A research project funded under the Norwegian Programme for Capacity Development in Higher Education and Research for Development (Norad-NORHED). Grant amount of UGX 25,000,000.

B. 2017 Publications

1. Engotoit, B., Kituyi, G. M., and Moya, M. B. (2017) Behavioral intentions: Mediator of Performance Expectancy and Adoption of Mobile Communication Technologies by Ugandan Commercial Farmers, *Journal of Systems and Information Technology*.
2. Isabalija R. S, Kituyi G. M., (2017) A Comparative Study of e-Medicine Uptake in Uganda, Nigeria and Ethiopia, *Journal of Health Informatics in Developing Countries*
3. Janatti, Bagorogoza Kyogabiirwe; Musa Moya, (2017) Knowledge Management and High Performance in Uganda's Financial Institutions. ***Makerere Business Journal***, [S.I.], v. 13, n. 2, p. 206-228, dec. 2017.
4. Keefa, B., Lukwago, I., Moya, M.B., Kato, I., (2017). Examining determinants of behavioral intention in adoption of mobile money transfer services in Uganda. *ICTACT Journal on Management Studies*, 2017, Volume: 03, ISSUE: 01.
5. Lukwago Ismail, Musa B. Moya, Keefa Bwiino, Kato Ismael (2017) Examining Determinants of Behavioural Intention in Adoption of Mobile Money Transfer Services in Uganda, *ICTACT Journal on Management Studies*. 3(1), pp 433-439; ISSN 2395-1664.
6. Moya, M., & Engotoit, B. (2017). Behavioural Intentions: A Mediator of Performance Expectancy and Adoption of Mobile Communication Technologies by Ugandan Commercial Farmers. *ORSEA Journal*, 7(1).
7. Mubuke, F., Kutosi, A. M., Kituyi, G. M., Ogenmungu, C., and Kimono, L. (2017) Self-Management of learning as a key predictor of Students Intention to Use M-Learning in Ugandan Universities, *International Journal of Innovative and Applied Research*, Volume 5, Issue (1): 9- 15
8. Mubuke, F., Kutosi, A. M., Ogenmungu, C. and Kituyi G. M. (2017) Examining the Effect of Facilitating Conditions as an imperative input in enhancing the intention to use Mobile Learning systems in Universities, *Global Journal of Computers & Technology*, Vol. 6, No. 1, pp 336 – 343
9. Musa M., Nabafu R., Maiga G., and Kituyi M. (2017) Attitude and Behavioral Intention as Mediators in Adoption of E-Tax Services in URA, Uganda, *Operations Research Journal of East Africa*, 6(1)
10. Musa Moya, Benard Engotoit, (2017). Behavioral Intention mediator of performance expectancy and adoption of Commercial farmers' to Use Mobile-based Communication Technologies for Agricultural market Information Dissemination in Uganda, *Operations Research Society of Eastern Africa - ORSEA Journal*, 7 (1), 2017.

11. Musa Moya, Nakalema Eva Stella, Nansamba Christine, (2017). Behavioral Intention: Mediator of Effort Expectancy and Actual System Usage. *Operations Research Society of Eastern Africa - ORSEA Journal*, 7 (1), 2017.
12. Nyesiga Catherine, Kituyi Mayoka Geoffrey, Musa B. Moya, Grace Aballo (2017). Effort Expectancy, Performance Expectancy, Social Influence and Facilitating Conditions as Predictors of Behavioural Intentions to Use ATMs with Fingerprint Authentication in Ugandan Banks. *GJCST-E*, Vol. 17 Iss 5 Version 1.0.
13. Rachel Mindra, Musa Moya (2017). Financial self-efficacy: a mediator in advancing financial inclusion. *Equality, Diversity and Inclusion: An International Journal*, 36 (2), pp.128-149, doi: 10.1108/EDI-05-2016-0040–Emerald.
14. Rachel Mindra, Musa Moya, (2017). Social Networks and Subjective Norms: The Mediating effect of financial self-efficacy on Financial Inclusion in Uganda, *Makerere Business Journal*, May 2017.
15. Rachel Mindra, Musa Moya, Linda Tia Zuze, Odongo Kodongo, (2017). Financial self-efficacy: a determinant of financial inclusion, *International Journal of Bank Marketing*, 35(3), pp.338-353, doi: 10.1108/IJBM-05-2016-0065.-Emerald.

C. 2017 Conference Presentations

1. Apire, S., Nyeko, S., & Bada, J.K. (2017). Integrated Financial Management System (IFMS) Adoption in Local Governments of West Nile Sub Region in Uganda. Presented during the Annual International Management Conference held on September 12-15, 2017, Jinja, Uganda.
2. Engotoit, B., (2017). Behavioural intentions: A Mediator of Performance Expectancy and Adoption of Mobile Communication Technologies by Ugandan Commercial Farmers. Presented during the Annual International Management Conference held on September 12-15, 2017, Jinja, Uganda.
3. Khatiya P., Engotoit B., Miwanda A. A Framework for the Adoption and use of Mobile Banking Services in Uganda. Presented in the 12th ORSEA conference, Kampala Uganda.
4. Nakawoya Fatuma, Akodo Robinah, Musa Moya, Geoffrey Mayoka Kituyi, Victor Mbarika (2017) Cost of Transacting Mobile Money services, Usage of Mobile Money Services and Financial Inclusion in Uganda, Annual International Management Conference -Kampala, September 2017-Jinja-Uganda.
5. Samali Mlay, Mbarika Victor, Musa Moya (2017), Theorising ICT Education, ICT Policy in Green ICT; Insights from belief outcome model. Presented at the 22nd Annual International Management Conference -Kampala, September 2017-Jinja-Uganda.
6. Sara Sagula, Joseph Kizito Bada, Samali Mlay (2017). The effect of Digital Marketing, Employee Productivity and Customer Satisfaction on Business Performance for

selected SMEs in Kampala. Presented at the 22nd Annual International Management Conference -Kampala, September 2017-Jinja-Uganda.

7. Ssewanyana, J.K., & Mlay, S.V. (2017). Transiting into excellent academic performance in Public Universities in Uganda: An exploratory study. Presented at the 22nd Annual International Management Conference held on September 12-15, 2017 in Jinja, Uganda

D. 2017 Books and Book Chapters

1. Mugambwa J, Kiggundu T., Muganzi C., & Asianzu E. (2017). The Political Ecology of Chinese Investment in the Developing World: Policy, Institutions and Discourse – Book Chapter.

VII. RESEARCH IN PROGRESS

A. Books in progress

1. E-learning in Higher Education
2. Leadership and Management of Higher Education with Case studies from selected Universities in Uganda

B. Papers accepted for Publication

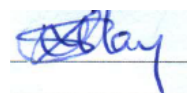
1. Bada Joseph Kizito and Asianzu Elizabeth. ICT Entrepreneurship model for digital inclusion of rural youth and women.
2. Bada Joseph Kizito and Asianzu Elizabeth, Lujemwa Brian, Namataba Josephine, Atceru Milburga. An empirical study for e-learning uptake by teaching staff at Makerere University Business School
3. Nyeko Sonny, Musa Moya, Kituyi Mayoka, Perceived Usefulness and Perceived Ease of Use of Mobile Money Service and Financial Inclusion in Uganda, accepted for publication in International Conference on Advances in Big Data, Computing and Data Communications Systems (icABCD) journal.
4. Mukuuma, K., Engotoit B. & Mwase A. Examining the influence of E-banking security on customer satisfaction in Uganda. A case of Ugandan commercial Banks. *Submitted to the Electronic Journal of Information Systems in Developing Countries*

C. Ongoing Research

1. Bada Joseph Kizito, Nyero Abdallah, Asianzu Elizabeth, Namuwaya Hajarrah Ali, Nakawoya Fatuma (2020). Harnessing renewable energy technologies in un-electrified communities in Uganda. Under review for the August 30, 2020 PowerAfrica IEEE Conference in Nairobi.
2. Bada Joseph Kizito, Abima Bonface, Olema Hamza, Nyero Abdallah, Asianzu Elizabeth. Study on use of e-learning pedagogy at Primary School Colleges in West Nile region of Uganda.

3. Sonny Nyeko, Judith Among, Joseph Odiya & Comrade. Towards Sustainable Electronic Waste Management in Uganda: Baseline Survey and Best Practices.
4. Kasse John Paul, Edward Kabaale, Charles Olupot, Mohammed Kigundu, Rennie Namutangula, Robert Kyeyune, Claire Kangwaje & Akodu. Leveraging Technology to Improve Implementation and Monitoring of the SAGE programme.
5. Bada Joseph Kizito, Elizabeth Asianzu, Miro Maria K, Fatuma Nakawoya, Abima Bonface, Nyero Abdallah & Namuwaya Hajara. Developing and Testing Digital Games for Teenage Reproductive and Mental Health Education.
6. Ismael Kato, Abima Boniface, Gorretti Byomire and Engotoit Bernard. Adoption of Assistive Technologies for Students with Disabilities in Higher Education Institutions in Uganda.
7. Kyeyune Robert, Mlay Samali V., Walugembe R., and Ssembatya Vincent. Movement Permit and Tracking System.
8. Ssentumbwe Abdul, Walugembe A., Mujabi S., Golooba U. Modelling Machine Translation of Uganda Ministry of Health Emergency Communication from English to chosen local languages.
9. Bada Joseph Kizito, Nyero Abdallah, Asianzu Elizabeth, Namuwaya Hajarah Ali, Nakawoya Fatuma. (2020). Renewable Energy Technologies for e-services in un-electrified communities in rural West Nile region of Uganda.
10. Bada Joseph Kizito, Asianzu Elizabeth, Nyero Abdallah, Abima Bonface. A study on attitudes and behavioural intentions of Graduate students towards e-learning.
11. Kemigisha Shamim, Moya Musa. Trust propensity a mediator of attitude towards adoption and readiness to accept e-voting in Uganda.
12. Kemigisha Shamim, Moya Musa. Determinants of readiness to accept e-voting in Uganda.
13. Asianzu E. Mukimba F & Akello K. C. A Video Mediated Application for Strengthening the Linkage between Women Smallholder Farmers and Extension Services in Uganda
14. Engotoit B., Miwanda A. Harnessing the untapped potential/ power of ICTs to transform the public transport sector. A case of metered passenger transport in Kampala

Dr. Samali V. Mlay



January 12, 2023

Faculty Research Coordinator/Senior Lecturer