

**Foluso E. Ayeni, Ph.D.**

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**PROFILE**

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Prof. Foluso Ayeni is a distinguished faculty member specializing in Information Systems and Decision Sciences at the Metropolitan State University, located in Minneapolis/St. Paul, Minnesota, USA. He is also a Visiting Professor at Capitol Technology University in Laurel, Maryland, USA, Makerere University Business School, Kampala, Uganda and Nigerian University of Technology & Management in Lagos, Nigeria. He also holds the position of membership and publicity secretary, at the Midwest Association for Information Systems USA. Prof. Ayeni is recognized as a member of the Pan-African Scientific Research Council, contributing to advancements in scientific research and also a member of the Educational Testing Service (ETS) graduate network. Additionally, Prof. Ayeni serves as the Vice-President of the Board of Trustees, at ICT University which has its foundation based in Louisiana, USA, with multiple campuses in developing countries. He also holds the role of Executive Secretary for Initiative and Partnerships at the African Society for ICTs (ASICTs). With a bachelor's and master's degree in management information systems from Covenant University, as well as a Ph.D. from Southern University and A&M College in Louisiana, USA, Prof. Ayeni is highly educated in his field.

Prof. Ayeni possesses extensive experience in higher education teaching and research, both in Sub-Saharan Africa and the USA. Notably, he received the Best Graduate Oral Presentation award at the Louisiana Academy of Sciences Conference in March 2018. His dedication to community development earned him the honorary title of Honorary Mayor-President in the City of Baton Rouge that same year. In 2014, he secured a Research/Internship Grant from the Association of African Universities, targeting underserved communities. With exceptional communication, time management, writing, and creativity skills, Prof. Ayeni's research interests span across various areas, including Educational Technologies, Cybersecurity Education, Knowledge Management, Public Health Informatics, Operations Research, Business Intelligence, and Big Data Technology.

Currently, Prof. Ayeni serves as a Co-Principal Investigator for numerous Grant writing activities at ICITD, USA, and the ICT University Foundation, USA. He has been actively involved in pioneering and completing several developmental projects in Sub-Saharan Africa, such as the Louisiana Board of Regents' implementation of an Artifact and Theorizing E-Democracy and Citizen Participation in Sub-Saharan Africa, as well as the establishment of the Southern University Health Information Technology Laboratory. Prof. Ayeni is an alumnus of the World Bank Youth Summit from 2016 to 2018 and has participated in various international conferences. He has also published his research in reputable peer-reviewed journals and served as a resource person for the Harvard University Global Health Catalyst Conference in 2019.

Prof. Ayeni's expertise and contributions extend beyond academia, as he has served as a chair, co-chair, and technical committee member for several international conferences and workshops. His research work has been published in respected journals such as the International Journal of Computing and Informatics, IEEE Xplore Digital Library, Science Journal of Public Health, American Journal of Applied Mathematics, and Springer Lecture Notes in Computer Science, with more publications currently under review in reputable peer-reviewed journals. As an active member of prestigious organizations including the Institute of Electrical and Electronics Engineers (IEEE), American Educational Research Association (AERA), Louisiana Academy of Sciences (LAS), and National Center for Science Education (NCSE), Prof. Ayeni remains at the forefront of his field.

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## EDUCATION

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**SOUTHERN UNIVERSITY AND A & M COLLEGE** (Baton Rouge, USA), July 2020

Doctor of Philosophy (concentration in Decision Sciences and Educational Technology)

**Dissertation Title:** An Analysis of Blended Learning as a Pedagogical Tool for Teaching Computer Science at Historically Black Colleges and Universities and Minority Serving Institutions.

**Dissertation Chair:** Dr. Albertha Lawson **Dissertation Co-Chair:** Dr. Victor Mbarika

**COVENANT UNIVERSITY**, June 2015

Master of Science in Management Information Systems

**Thesis Title:** Design and Implementation of a Cloud-Supported Framework for Socialized Healthcare

**COVENANT UNIVERSITY**, June 2012

Bachelor of Science in Management Information Systems

**Thesis Title:** Design and Implementation of a Human Resource Management System

**FEDERAL POLYTECHNIC ILARO**, August 2008

National Diploma (Associates Degree) in Computer Engineering

## TEACHING/EDUCATION ADMINISTRATION/PROFESSIONAL EXPERIENCE

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August 2023 - Date **Metropolitan State University Minneapolis/St Paul , USA**

**Management Information Systems Professor**

- Courses Assigned: Management Information Systems both at the Bachelors's and master's Level. Serve on DBA dissertation committee.
- Coordinate collaborative student projects to develop business plans and analyze and develop e-business systems for local businesses and non-profits (Service Learning).
- Serve on Departmental, College and University Wide Committees.

June 2023 – Date **Nigerian University of Technology Management Lagos, Nigeria**

**Visiting Professor of Information Technology**

June 2023 – Date **Capitol Technology University Maryland, USA**

**Visiting Professor of Information Technology**

- Serve on doctoral dissertation committees.

January 2021 – July 2023 **University of Nebraska at Omaha Omaha, USA**

**Assistant Professor of Information Systems and Quantitative Analysis**

- Currently teach Cloud Computing (Amazon Web Service), Information Systems Analysis & Design and Advanced Data Analytics (R Programming Language) in the Department of Information Systems and Quantitative Analysis both at the Bachelors and Masters Level.
- Coordinate collaborative student projects to develop business plans and analyze and develop e-business systems for local businesses and non-profits (Service Learning).
- Serve on Departmental, College and University Wide Committees.

January 2020 – December 2020

**Baton Rouge Community College**

**Baton Rouge, USA**

***Adjunct Professor of Computer Science***

- Currently teach Business and Data Analytics in the Department of Computer Science.
- Coordinate collaborative student projects to develop business plans and analyze and develop e-business systems for local businesses.

August 2016 – December 2020

**Southern University and A & M College**

**Baton Rouge, USA**

***Assistant Professor of Information Systems***

- Develop curriculums and present to undergraduate classes of 45 students on E-Commerce, Information Systems Analysis and Design, Management Research Seminar, Management Information Systems and Principles of Management.
- Organizing Research Colloquiums and Seminars
- Directly worked under the supervision of Dr. Victor Mbarika to draft information systems related Academic NSF and Louisiana Board of regents funded grant proposals
- Published in peer-reviewed scientific journals
- Co-supervised honors college student thesis which was accepted for presentation at the Louisiana Academy of Sciences.
- Coordinate collaborative student projects to develop business plans and analyze and develop e-business systems for local businesses
- Creating blended learning individualized plans and programs to facilitate a targeted, personalized approach to education while stimulating students' enjoyment and appreciation for the subject in the Department of Criminal Justice (Online Programs).

August 2019 – December 2019

**Tulane University School of Professional Advancement New Orleans, USA**

***Adjunct Professor of Statistics***

- Taught Undergraduate Mathematics and Statistics

April 2016 – Date

**ICT University System**

**Baton Rouge, USA**

***Vice-President, Board of Trustees/Adjunct Professor of Information Systems and Business Analytics***

- Oversee global administration of the ICT University system
- Serve on Doctoral Dissertation Committees
- Taught information systems related classes
- Presenting current data management techniques including analysis to students
- Communicated effectively with project management regarding issues and needs for projects.
- Providing both pedagogical and technology training, sometimes simultaneously and sometimes separately.
- Implement best practices to optimize LMS in meeting online education needs most effectively and efficiently.

January 2014 – July 2016

**UNIPO Institute of Technology Ota, Nigeria**

**Computer Science Lecturer**

Teaching and grading of Undergraduate courses in Computer Science, Computer Engineering, and Information Systems.

- Courses taught includes introduction to data structures and algorithms, introduction to object-oriented JAVA, Introduction to Object Oriented Visual Basic, Introduction to Computer Software
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October 2013 – July 2016

**Covenant University Ota, Nigeria**

**Information Systems Lecturer**

Supporting a variety of software that faculty want to use to create their courses or have their students learn

- Training faculty to teach more effectively using technology
- Supporting students using LMSs
- Ensuring that courses meet requirements for accessibility
- Courses taught includes production and operations management, introduction to management information systems, Ecommerce technology, Introduction to Computer Science and Use of Library skills

March – September 2011

**Nigeria LNG Ltd**

**Intern**

A position for IT service management for the enterprise

- Managed IT infrastructure, Systems Applications and Products
- Patch Deployment of IT Applications and Building CAPEX Management tools
- Network Troubleshooting and PABX Configuration
- Business Process Design

**DOCTORAL AND MASTERS STUDENT SUPERVISION/ADVISING EXPERIENCE**

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- Felicitas Aquegho (Co-Chair), Graduated (2022), Southern University and A & M College USA
- Jiayu Dai (Co-Supervisor), Graduated (2021), University of Nebraska Omaha USA
- Alberta Robertson (Co-Chair), 3<sup>rd</sup> year Doctoral student (Ongoing), Southern University and A & M College USA
- Mary Adewunmi (Co-Chair), 5<sup>th</sup> year Doctoral student (Ongoing), Southern University and A & M College USA
- Eldred Kyomuhangi-Manyindo (Co-Chair), 4<sup>th</sup> year Doctoral student (Ongoing), ICT University Cameroon
- Ruqqaiya Naluwoza (Co-Chair), Graduated (2023) ICT University Cameroon
- Chinyere Igwe (Co-Chair), Graduated (2023), ICT University Cameroon

**PROFESSIONAL DEVELOPMENT**

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- Amazon Web Service Academy Educator (2021)
- University of Nebraska Omaha Faculty Summer Onboarding Program/Workshop (2021)
- University of Nebraska Omaha Service-Learning Workshop (2021)
- University of Nebraska Omaha Humanizing Online Learning Course (2021)
- University of Nebraska Omaha Foundations of Online Learning Course (2021)
- SAFe Certified Scrum Master (2019)
- Quality Matters Certified (2017)
- Professional Certificate in Project Management (2013)

## RELATED LINKS

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- [Google Scholar](#)
- [Research Gate](#)
- [Mendeley](#)
- [LinkedIn](#)

## AWARDS AND HONORS

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- STEM Teaching Practices Instructor Development Fellowship **\$1,700** (2021)
- University of Nebraska Omaha STEM Trail Center BIG IDEAS Faculty Fellow **\$5,000** (2021/2022)
- ICT University Award for International Linkages and Collaborations (2021)
- Educational Testing Service Graduate Research and Development Network (2020) **Top 2% of applicants**
- Best Graduate Oral Presentation, Louisiana Academy of Sciences Conference, Alexandria, Louisiana (2018)
- Honorary Mayor President, Baton Rouge USA (2018)
- Outstanding Doctoral Student Award, International Center for Information Technology and Development (2018)
- World Bank Youth Summit Alumni (2016, 2017 & 2018) **Top 10% of applicants**
- Association of African Universities Research Internship Grant (2014) **Top 5% of applicants**

## GRANT PROPOSALS

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- PI, IS & T DIAGNOSTIC MINI GRANT **University of Nebraska Omaha 2021 (Awarded \$6,000)**
- CO-PI, Award for Low- and Middle-Income Country Institutions (D43) (PAR-18-901), entitled, "Chronic, Non-Communicable Diseases and Disorders Across the Lifespan: Fogarty International Research Training Award (NCD-LIFESPAN) (D43 Clinical Trial Optional)". **National Institutes of Health 2022 (submitted)**

## BOOK CHAPTERS, PEER-REVIEWED JOURNAL PUBLICATIONS, AND CONFERENCE PROCEEDINGS

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- (May 2023) R. Naluwoza, **F.Ayeni**, L. Kehbuma, and V. Mbarika Fostering learning outcomes in a non-reading culture at foundational level of education: the role of information technology and pupil engagement. International Journal of Educational Management
- (May 2022) C. Igwe, **F.Ayeni**, and V. Mbarika,. Effects of User Experience on Identity Authentication in the Nigerian E-banking Environment. MWAIS 2022 Proceedings.
- (May 2022) R. Naluwoza, **F.Ayeni**, L. Kehbuma, and V. Mbarika,. ICT Usage and Learning Outcomes of Pupils in Primary Schools in Uganda. MWAIS 2022 Proceedings
- (February, 2022) D. Ogbe, S. Misra, **F.Ayeni**, R. Maskeliunas, and R. Damasevicius,. A Decentralized Renewable Microgrid: An Energy on Demand Approach. AISC 2021 Springer
- (November 2021) D-Jorge Martinez, S. Misra, S.A. Butt, and **F. Ayeni**, Estimation Techniques for Scrum: A Qualitative Systematic Study. International Conference on Innovations in Bio-Inspired Computing and Applications. Springer
- (November 2021) M. Shaba, A. Roland, J.Simon, S.Misra, and **F. Ayeni**,. A Real-Time Sentimental Analysis on E-Commerce Sites in Nigeria Using Machine Learning. International Conference on Hybrid Intelligent Systems. Springer

- (November 2021) J. Bamidele-Awotunde, S. Misra, **F. Ayeni**, R. Maskeliunas, and R. Damasevicius. Artificial Intelligence Based System for Bank Loan Fraud Prediction. International Conference on Hybrid Intelligent Systems. Springer
- (September 2021) O. Ojajuni, **F. Ayeni**, O. Akodu, F. Ekanoye, S. Adewole, T. Ayo, S. Misra and V. Mbarika. Predicting Student Academic Performance Using Machine Learning. Springer Nature Switzerland AG
- (September 2021) Noah N. Gana, Shafi .M. Abdulhamid, Sanjay Misra, Lalit Garg, **Foluso Ayeni**, Ambrose Azeta . Optimization of Support Vector Machine for Classification of Spyware Using Symbiotic Organism Search for Features Selection. Springer Nature Switzerland AG
- (May 2021) Titilope M. Dokunmu, Cynthia U. Adjekukor, Senanu R. Okuboyejo, Akeem Bello, **Foluso Ayeni**, Victor Mbarika (2021). A review on healthcare schemes in Nigeria: A case of Corona Virus pandemic. WSEAS Transactions on Business and Economics DOI: 10.37394/23207.2021.18.83
- (May 2021) E. Kyomuhangi-Manyindo, R. Kiconco, **F. Ayeni** and V. Mbarika: Is Usage a Reflection of Usability? Association for Information Systems. AMCIS 2021 Proceedings.
- (December 2020) Noah Ndakotsu Gana, Shafii Abdulhamid, Sanjay Misra, Lalit Garg, **F. Ayeni**. Optimization of Support Vector Machine for Classification of Spyware Using Symbiotic Organism Search for Features Selection, International Conference on Information Systems and Management Science (ISMS)
- (April 2020) Yari, F., **Ayeni, F.**, Adewunmi, M., Ayo, R., Ayo, T., Katchoua, G. S., ... & Mbarika, V. Facebook as a Tool for Health Research: A Systematic. American Journal of Health Research, 8(2), 6-10.
- (January 2020) Yari, F., **Ayeni, F.**, Yari, S., Mbarika, V., & Katchoua, G. (2019). A Qualitative Inquiry and Review of Telemedicine: A Case Study of Cameroon. Biomedical Journal of Scientific & Technical Research, 22(2), 16523-16528.
- (March 2019) **F. Ayeni**., A. Lawson. and V. Mbarika: Implementing Blended Learning in Cyber-Security Training and Education: Evidence from Historically Black Colleges and Universities and Minority Serving Institutions. Louisiana Academy of Science Conference, Baton Rouge LA. March 16, 2019.
- (March 2018) **Ayeni, F.**, S. Adubi, O. Sowunmi and V. Mbarika: From Stand Alone Computers to Big Data Technology: Proposing a New Model for Information Technology Infrastructure Change Management. Louisiana Academy of Science Conference, Alexandria, LA. March 10, 2018.
- (March 2018) Yusoff, F. H., J. Landor, O. Ayo, G.W.B. Katchoua, F. Aquegho, T. Pruitt, H. Alaba, **F. Ayeni** and V. Mbarika: Social Media Presence Growth among Small Businesses: A Case Study. Louisiana Academy of Science Conference, Alexandria, LA. March 10, 2018.
- (March 2018) Wutofeh, W.C., N. Omoregbe, S. Nicholas-Omoregbe, **F. Ayeni** and V. Mbarika: The Role of ICTs In Socio-Economic Development of the North West Region of Cameroon. Louisiana Academy of Science Conference, Alexandria, LA. March 10, 2018.

- (March 2018) **Ayeni, F.**, S. Craig, M. Adewunmi, V. Mbarika and J. Caldero: A Mixed Methods Inquiry into the Quality of Instructional Designs and Use of Moodle Learning Management Systems: Case study of a Historically Black College and University. Louisiana Academy of Science Conference, Alexandria, LA. March 10, 2018.
- (March 2018) **Ayeni, F. M.** Diak and V. Mbarika: A Review of Learning Techniques: Evidence from Practice Testing. Louisiana Academy of Science Conference, Alexandria, LA. March 10, 2018.
- (March 2018) Tillery, C. L, C. Cummings, **F. Ayeni**, F. Ekanoye and V. Mbarika: A Review of Cybersecurity in The United States of America. Louisiana Academy of Science Conference, Alexandria, LA. March 10, 2018.
- (March 2018) Lea, B., F. Ekanoye, **F. Ayeni** and V. Mbarika: Cyber Security in Russia: Challenges and Prospects. Louisiana Academy of Science Conference, Alexandria, LA. March 10, 2018.
- (March 2018) Yusoff, F. H., J. Lando, S. Nicholas-Omoregbe, R. Mungwe, R. Chirewa, C. Donald, **F. Ayeni** and V. Mbarika: Social Media Presence among Small Businesses: A Comparative Study between Baton Rouge and New Orleans. Louisiana Academy of Science Conference, Alexandria, LA. March 10, 2018.
- (March 2018) Abam, C., **F. Ayeni** and V. Mbarika: Economic Inequality and Poverty: The United States in Comparative Perspective. Louisiana Academy of Science Conference, Alexandria, LA. March 10, 2018.
- (March 2018) Chirewa, R., N. Omoregbe, **F. Ayeni** and V. Mbarika: Bridging the Gap in Financial Inclusion: A Review of Mobile Money in Kenya. Louisiana Academy of Science Conference, Alexandria, LA. March 10, 2018.
- (March 2018) Njie, S., J. Landor, **F. Ayeni** and V. Mbarika: Investigating How Government Policies Affect Diffusion and Adoption of ICT's in Developing Nations: A Case Study of Cameroon. Louisiana Academy of Science Conference, Alexandria, LA. March 10, 2018.
- (March 2018) Katchoua, G., N. Omoregbe, **F. Ayeni**, S. Onyeidu and V. Mbarika: Design of a Cloud Based Blood Bank Management Information System (BBMIS) for Cameroon's Health Care System. Louisiana Academy of Science Conference, Alexandria, LA. March 10, 2018.
- (March 2018) Ekanoye, F., **F. Ayeni**, F. Yusoff and V. Mbarika: Promoting the concepts of Internet of Things with Smarthome in North Baton Rouge: A case of Scotlandville. Louisiana Academy of Science Conference, Alexandria, LA. March 10, 2018.
- (March 2017) Ekanoye, O., Olokunde, T., **Ayeni, F.**, and Mbarika, V. (2017). Exploring Relationships between Mobile Network Operators (MNO) and Mobile Virtual Network Operations (MVNO) in Nigeria: Case Studies of MVNOs in United States of America. Washington Business Research Forum, March 24. Arlington, Virginia.

- (March 2017) Ekanoye, O., Olokunde, T., **Ayeni, F.**, Donald, C., Nina, V., Okuboyejo, S., & Mbarika, V. (2017). Electronic Medical Record Diffusion. A Case of China. Louisiana Academy of Science Conference, Ruston LA. March 10.
- (March 2017) **Ayeni, F.** & Mbarika, V. (2017). Big Data Analytics in the West African Healthcare Sector: A SWOT Analysis. 74th Joint Meeting of the Beta Kappa Chi & National Institute of Science, Baton Rouge, Louisiana. 15th-18th March.
- (September 2019) Adewumi, A., Taiwo, A., Misra, S., Maskeliunas, R., Damasevicius, R., Ahuja, R., & **Ayeni, F.** A Unified Framework for Outfit Design and Advice. In Data Management, Analytics and Innovation (pp. 31-41). Springer, Singapore.
- (September, 2019) Alfa, A. A., Ahmed, K. B., Misra, S., Adewumi, A., Ahuja, R., **Ayeni, F.**, & Damasevicius, R. . A Comparative Study of Methods for Hiding Large Size Audio File in Smaller Image Carriers. In International Conference on Emerging Technologies in Computer Engineering (pp. 179-191). Springer, Singapore.
- (September 2019) Rachael, O., Misra, S., Ahuja, R., Adewumi, A., **Ayeni, F.**, & Mmaskeliunas, R.. Image Steganography and Steganalysis Based on Least Significant Bit (LSB). In Proceedings of ICETIT 2019 (pp. 1100-1111). Springer, Cham.
- (August 2019) Okewu, E., Misra, S., Fernandez, S. L., **Ayeni, F.**, Mbarika, V., & Damaševičius, R. Deep Neural Networks for Curbing Climate Change-Induced Farmers-Herdsmen Clashes in a Sustainable Social Inclusion Initiative. *Problemy Ekorozwoju*, 14(2).
- (August 2019) **Ayeni, F.**, Adewunmi, M., Ekanoye, F., Pruitt, T., Mbarika, V., Fagbeyiro, G., ... & Aquegho, F. A Mixed Methods Inquiry into the Quality of Instructional Designs and Use of Moodle Learning Management Systems in Historically Black Colleges and Universities. *American Journal of Education and Information Technology*, 3(1), 17.
- (February 2018) J. Noguera, S.Okuboyejo, **F.Ayeni**, O.Sowunmi, Vishali Paindla,..: An Institutional Web-based Learning Objects Repository System. *International Journal of Current Trends in Engineering and Technology*
- (January 2018) P. Ihome, N.Omoregbe,S.Misra.,**F.Ayeni**.,D.Adeloye,,: A Decision Support System for Pediatric Diagnosis . *Innovation and Interdisciplinary Solutions for Underserved Areas*
- (December 2017) J. Noguera, **F.Ayeni**, S.Adusumilli, S.Okuboyejo, V.Mbarika.,: Implementation of a Web-Based Adaptive and Intelligent Tutoring System. *International Journal of Pharmacy and Technology*
- (November 2017) **F.Ayeni**, S.Adubi, O.Sowunmi.,Victor Mbarika,,: From Standalone Computers to Big Data Technology: Developing a New Model for Information Technology Infrastructure Change Management. *Research in Medical and Engineering Sciences*
- (August 2017) S. Okuboyejo, T.Okuboyejo, **F.Ayeni**., F.Attah., V.Mbarika ,: Cloud Computing:SMEs Tech-Driver for Globalization., *International Journal of Pharmacy and Technology*



- (August 2017) F. Ekanoye, T. Olokunde, **F. Ayeni**, C. Mende, V.Nina, V. Mbarika ,: Telemedicine Diffusion in a Developing Country: A Case of Ghana., *Science Journal of Public Health USA*
- (July 2017) F. Ekanoye, T. Olokunde, **F. Ayeni**, C. Mende, V.Nina, V. Mbarika, : Telemedicine Diffusion in a Developing Country: A Case of Nigeria., *Science Journal of Public Health USA*
- (February 2017) J. Noguera, **F. Ayeni**, S.Okuboyejo, S.Adusumilli, : Towards a Web Based Adaptive and Intelligent Tutoring System., *International Journal of Computing and Informatics 1(1)*
- (February 2017) F. Ekanoye, **F. Ayeni**, T. Olokunde, C. Mende, V.Nina, V. Mbarika : Telemedicine Diffusion in a Developing Country: A Case of Senegal., *International Journal of Computing and Informatics1(1)*
- (February 2017) F. Ekanoye, T. Olokunde, **F. Ayeni**, C. Mende, V.Nina, V. Mbarika : Telemedicine Diffusion in a Developing Country: A Case of Uganda., *International Journal of Computing and Informatics1(1)*
- (February 2017) **Ayeni E.F.**, Misra S., Omoregbe N.A., : Using Big Data Technology to Contain Current and Future Occurrence of Ebola Viral Disease and other Epidemic Diseases in West Africa, *Springer Lecture Notes in Computer Science, vol 9142, pp107-114, June 2015 and presented at the Second BRICS Congress on Computational Intelligence (CCI 2015), June 26-29, 2015, Beijing, China.(Scopus Indexed)*
- (April 2015) Agarana M.C., **Ayeni E.F.**, : Maximizing Operations Processes of a Potential World Class University Using Mathematical Model, *American Journal of Applied Mathematics 3(2) , 59-63*
- (June 2016) Omoregbe.N., Adeloje.D, **Ayeni,F**: HealthNet: Smart Interactive e-Health Platform, *NIST Global Cities Teams Challenge Expo, 13th – 15th June 2016,Austin TX, USA*
- (April 2015) Agarana M.C., **Ayeni E.F.**, : Maximizing Operations Processes of a Potential World Class University Using Mathematical Model, *American Journal of Applied Mathematics 3(2) , 59-63*
- (March 2015) **Ayeni F.**, Misra S., : Overcoming Barriers of Effective Health Care Delivery and Electronic Health Record in Nigeria Using Socialized Medicine. *Published in IEEE Xplore Digital Library and presented at the 11<sup>th</sup> International Conference on Electronics, Computer and Computation, Nigeria Turkish Nile University, Abuja,, Nigeria. Conference Paper.(Scopus Indexed)*

## **ARTICLES CURRENTLY ONGOING/UNDER REVIEW**

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- **Ayeni, F.**, Mbarika, V., Gani, S., and Naluwoza, R. (2023). Unintended Effects of Cyberbullying: Understanding Citizens' Intent vs. Intention to Share Electoral Views on social media.
- Ojajuni, O., **Ayeni, F.**, Mbarika, V., Misra, S., and Ekanoye, F. (2023). A Review on Drowsiness Detection Techniques Based on Behavioral Methods Using Machine Learning.
- **Ayeni, F.**, Lawson, A. and Mbarika, V. (2023). Blended Learning as a Pedagogical Tool for Teaching Computer Science at Historically Black Colleges and Universities.

## AFFILIATIONS

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- Association for Information Systems (AIS)
- Association for Computing Machinery (ACM)
- Midwest Association for Information Systems (MWAIS)
- Institute of Electrical and Electronics Engineers (IEEE)
- Louisiana Academy of Sciences (LAS)
- American Educational Research Association (AERA)
- National Center for Science Education (NCSE)
- Association of Chartered Systems Accountant (ACSA USA)

## SERVICE/JOURNAL/CONFERENCE EDITORIAL REVIEW/KEYNOTES

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- **Reviewer**, Journal of Information Technology Case and Application Research
- **Reviewer**, Sustainability
- **Reviewer**, International Conference on Information Systems (ICIS)
- **Reviewer**, Midwest Association for Information Systems Conference
- **Membership and Publicity Secretary**, Mid-West Association for Information Systems 2022/2024
- **Conference Co-Chair**: Mid-West Association for Information Systems Conference, Omaha, May 2022
- **Keynote Speaker**, Cameroon Academy of Sciences Annual Conference, Yaoundé, Cameroon October 2021
- **Exploratory Studies Ambassador**, University of Nebraska Omaha
- **2021/2022 STEM TRAIL CENTER BIG IDEAS FACULTY FELLOW**, University of Nebraska Omaha
- **Search Committee Member**, Assistant Dean of Finance and Budgeting, College of Information Science and Technology, University of Nebraska Omaha
- **Diversity and Inclusion Search Committee Member**, 2021 Dean Search, College of Information Science and Technology, University of Nebraska Omaha
- **Diversity and Inclusion Committee Member**, College of Information Science and Technology, University of Nebraska Omaha
- **Vice-President, Board of Trustees**, The ICT University System: (An international initiative providing distance learning opportunities to over 20,000 students based in resource poor countries and who are not within the reach of opportunities to receive US and European quality IT literacy, undergraduate and graduate programs. Most of ICT University initiative programs are in the domain of information technology, business management and sustainability, accounting information technology and engineering technology.)
- **Conference Technical Committee member**: International Conference on Computing, Networking and Informatics, October 2017
- **Senior Editor**, African Journal of Information Systems ([www.ajisonline.com](http://www.ajisonline.com))
- **Editor**, Advances in Multidisciplinary and Scientific Research Journal(<http://www.isteam.net/aims-journal>)
- **Technical Committee Member** at Online Learning Consortium Annual Conference, New Orleans Louisiana, April 2017
- **Co-Chair**, International Conference on Good Governance, Southern University USA, November 2018
- **Keynote Speaker**, International Conference of Entrepreneurship and Grantsmanship, Ondo Nigeria April 2018
- **Chair**, Local Organizing Committee, Association of Chartered Systems Accountant USA, November 2018 and November 2018
- **Co-Chair and Speaker**, International Conference and Workshop on Governance, Entrepreneurship and ICT for Africa, Kampala, Uganda, May 2019
- **Lead Speaker**, Harvard University Global Health Catalyst Conference, May 2019

- **Lead Speaker**, Bells University of Technology Nigeria, Faculty Career Development Series, January 2021

## **RESEARCH INTERESTS**

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- Big Data Analytics and Decision Sciences
- Information Technology Training and Education for Minorities
- Blended Learning and Professional Development
- Quality Frameworks in Faculty Development Programming
- Minority Participation in Cybersecurity
- Adoption of Health Information Technology and Telemedicine in Hardest to Reach Communities
- Psychometrics and Learning Techniques

## **SELECTED INTERNATIONAL CONFERENCES ATTENDED**

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- International Conference on African Development Issues, Covenant University, Ota, Ogun State, Nigeria. 5th May – 6th May, 2014.
- 1st Future Ready University Conference, Covenant University, Ota, Nigeria., 10th June-11th June, 2015.
- World Bank Group Youth Summit, Washington D.C, USA, 14th – 15th November, 2016
- 91st Annual Meeting of the Louisiana Academy of Sciences, Louisiana Tech University, Ruston Louisiana. 11th March 2017.
- 74th Joint Meeting of the Beta Kappa Chi & National Institute of Science, Baton Rouge Louisiana. 15th – 18th March 2017.
- Online Learning Consortium Annual Conference, New Orleans Louisiana USA. 5th -7th April 2017.
- European Alliance for Innovation Conference, Toluca, Mexico. 23rd – 25th May 2017
- World Bank Group Youth Summit, Washington D.C, USA, 4th – 5th December, 2017
- 92nd Annual Meeting of the Louisiana Academy of Sciences, Louisiana State University at Alexandria, Alexandria Louisiana. 10th March 2018.
- 93rd Annual Meeting of the Louisiana Academy of Sciences, Southern University and A & M College, Baton Rouge Louisiana. March 2019.
- International Conference and Workshop on Governance, Entrepreneurship and ICT for Africa, Kampala , Uganda May 2019
- 7<sup>th</sup> Annual Black Doctoral Consortium Conference, Newark, New Jersey, October 2019
- Americas Conference on Information Systems (AMCIS), Montreal, Canada, August 2021
- 14<sup>th</sup> Annual Conference and Workshop on Higher Education Pedagogy, Blacksburg VA, USA, February 2022
- 17<sup>th</sup> Midwest Association for Information Systems (MWAIS), Omaha NE, USA, May 2022
- 18<sup>th</sup> Midwest Association for Information Systems (MWAIS), St. Paul, USA, May 2023

## **INTERNATIONAL TRAVEL/RESIDENCE**

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USA, Nigeria, Cameroon, Ivory Coast, France, United Kingdom, Germany, Guinea-Bissau, Togo, Uganda, Kenya, Namibia, Ethiopia, Senegal, Netherlands, Morocco, Ghana, Republic of Benin, Mexico, Puerto Rico and Canada