

Dr Patrick Ndayizigamiye
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Google Scholar: <https://scholar.google.com/citations?hl=en&user=hOu9tS4AAAAJ>

IBM Champion 2021 and 2022: <https://developer.ibm.com/champions/>

BRIEF PROFILE

Dr Patrick Ndayizigamiye obtained his PhD (Information Systems and Technology) from the University of KwaZulu-Natal in South Africa. Patrick is currently employed as a Senior Lecturer at the University of Johannesburg in South Africa and is the ICT4D research cluster leader at the University of Johannesburg. He has more than ten years of experience teaching Information Systems modules and has published in international journals and conference proceedings. He has also presented his research outputs at many local and international conferences. He is currently an Associate Editor for the African Journal of Information Systems and has been a Track Program Committee (TCP) member of many reputable international conferences. Patrick is also a member of the Association for Information systems (AIS), the South African Institute of Computer Scientists and Information Technologists (SAICSIT), the Institute of Electrical and Electronics Engineers (IEEE). He is also the chair of the ICT4D research cluster and the IEEE SIGHT group in the Department of Applied Information Systems at the University of Johannesburg. His current research interest is in designing and deploying ICT-led interventions to provide healthcare services in Resource-Limited Settings. He is also conducting research in ICT4D.

ACADEMIC QUALIFICATIONS

PhD in Information Systems and Technology

University of KwaZulu-Natal (February 2013- December 2016)

Thesis title: Potential Adoption of Mobile Health Technologies for Public Healthcare in Burundi (completed in March 2017 in fulfilment of the qualification “PhD in Information Systems and Technology”)

Graduation date: April 2017

Executive MBA

Quantic School of Business and Technology (Ongoing until July 2023)

Master of Commerce (Information Systems and Technology)

University of KwaZulu-Natal (February 2010- December 2012)

Dissertation Title: Adoption of e-commerce by Small, Medium, and Micro Enterprises in Pietermaritzburg and Durban (completed in December 2012 in fulfilment of the qualification “MCom (Information Systems and Technology)”) Graduation date: April 2013

Bachelor of Social Sciences Honours (Information Systems and Technology)

University of KwaZulu-Natal (February 2009-December 2009)

Graduation date: April 2010

Bachelor of Social Sciences (Politics, Marketing, and Information Systems and Technology)
University of KwaZulu-Natal (February 2006- December 2008)
Graduation date: April 2009

Postgraduate Diploma in Research supervision.
University of Johannesburg (2019-2021)
Graduation Date: October 2021

Additional Training:

Rochester Institute of Technology-RITx (USA) 2017 and 2019:

MicroMasters Certificate in Cybersecurity
Cybersecurity Fundamentals: RITx- CYBER501x;
Computer Forensics: RITx- CYBER502x;
Cybersecurity Risk Management: RITx- CYBER503x;
Network Security: RITx - CYBER504x)
Cybersecurity Capstone

University of the Witwatersrand (August 21 to September 9, 2016):

Systems Thinking training: Attended a 3-week high-level capacity strengthening programme on Systems Analysis and Systems thinking

Johns Hopkins University-USA (September to October 2017):

Completed a four (4) week online course in Systems Thinking in Public health

Data Science fundamentals certificate (IBM)

January 2021

Python data structures certificate (University of Michigan via Coursera)

January 2021

Using Python to access Web data certificate (University of Michigan via Coursera)

January 2021

Python data structures certificate (University of Michigan via Coursera)

January 2021

Using databases with Python certificate (University of Michigan via Coursera)

January 2021

See more certifications on LinkedIn: www.linkedin.com/in/patrick-ndayizigamiye-703aaa95

INTERNAL AND EXTERNAL ACADEMIC INVOLVEMENT

Editorial board

Associate Editor for the African Journal of Information Systems -2018 to date

Reviewer panels

Reviewer for the Annals of Operations Research (part of Springer Nature)-2020

Reviewer for the European Journal of Information Systems (part of the basket of 8 AIS top journals)-2020

Reviewer for BMC Public Health (part of Springer Nature)-2020

Reviewer for the BMJ innovations journal- 2019

Reviewer for the Youth and Globalisation Journal-2019

Reviewer for the World Development Journal-2019

Conference organising committee

I was one of the conference chairs for the African Development Informatics Conference (AFRIDIC) 2021

I am co-chairing the 12th International Development Informatics Association (IDIA2022) conference.

Conference technical committees

Reviewer for South African Institute of Computer Scientists and Information (SAICSIT)-2020, 2019&2017

Reviewer and Track Program committee member for the 51st ACM Technical Symposium on Computer Science Education (SIGCSE 2020)

Reviewer for the 2019 European Conference on Information Systems (ECIS)-2019

Reviewer for the 2019 International Conference on Information Systems (ICIS)-2019

Editorial Committee member for the 2019 THREAT conference-2019

Reviewer and committee member for the 4th International Conference on the Internet, Cybersecurity and Information Systems (ICICIS)-2019

Track Program Committee (TPC) member on the technical program committee for 2019 IEEE GHTC (Seattle, 18 – 20 October)- 2019

Reviewer for the 2018 Americas Conference on Information Systems (2018 AMCIS) -2018

Reviewer for the 50th ACM Technical Symposium on Computer Science Education (SIGCSE 2018)-August 2018

Program committee member, reviewer and meta-reviewer for the 2018 AFRICHI conference-2018

mHealth track program committee (TPC) member and reviewer of the 2018 Global Humanitarian Technology Conference-2018

Reviewer for the 8th International Conference on Social Sciences-2017

Sub-reviewer for the 2017 South African Institute of Computer Scientists and Information (SAICSIT)-2017

Conference track chair

Track chair for the IEEE International Multidisciplinary Information Technology and Engineering Conference (IMITEC 2019)-2019.

Track chair for the 2019 IEEE Global Humanitarian Technology Conference-2019.

Track chair for the 4th International Conference on the Internet, Cyber Security and Information Systems-2019

Examiner for Masters Dissertations and PhD Theses

Examined 2 Masters Dissertations for the University of South Africa (UNISA) in 2017 and 2020:

- Mashingaidze, C. Porting of a decision support system for antenatal care called the BACIS program onto the OpenMRS medical record. MSc dissertation in Computing (University of South Africa)
- Plessis, A.G. Cybersecurity and Governance Framework of Information Systems in the South African Mining Industry. Master of Commerce dissertation in business management (University of South Africa)

Examined 1 Mini dissertation from the University of Johannesburg in 2019:

- Nyoni, N. Determinants of Information Communication Technology For ICT4D Adoption. Minor dissertation (business management)

Examined 1 PhD thesis from UNISA in 2020:

- Moyo, S. A Software Development Methodology For Solo Software Developers: Leveraging The Product Quality Of Independent Developers. PhD thesis in Computer Science (University of South Africa)

External moderator

 External moderator for ICT3611 module (programming course)-Third-year level-UNISA-2021
 External moderator for IRM4814 module (change management)-Honours level-UNISA-2019
 External moderator for ICT2611module (Graphical User Interface Programming)-UNISA-2020
 External moderator for MIS module (part of the UKZN MBA course)-UKZN-2019

Internal moderator

 Moderator for IFS 2A (Information Systems 2A)- 2nd year level-UJ-2019 and 2020
 Moderator for BAY01B1 (Business Analysis 1)- 1st year level-UJ-2019
 Moderator for ILS 3B (Information Systems 3B)- 3rd year level-UJ-2019

Plenary/Keynote Address and other external engagement

 I was a speaker at the IEEE ETAP Africa cybersecurity working group in 2017
 I was a distinguished guest speaker at Mercer University (School of Engineering)-USA-2018 Title of the presentation: *“Implementing scalable mHealth Interventions in Africa: Lessons Learnt”*
 I gave a talk to pre-health students at MECER University about using mobile devices to provide healthcare in resource-limited countries-USA 2018
 I was a speaker at the Master the frame training (level 1 and 2) held online on 23 and 24 November 2020
 I was a speaker at IPID inaugural workshop at UJ-2019
 I was a speaker at the UJ library conference- 2019
 Appointed as a Judge for the 2020 IBM Master the Mainframe global competition -2020
 Led and coached a team of UJ students in the Global Legal Hackaton- Sandton, 2020
 Appointed as an IEEE SIGHT Education Subcommittee member-2018
 Appointed as a mentor for the Delta challenge on-campus event-2019
 UNESCO RRING (Responsible Research and Innovation Networking Globally) committee member-2020 (ongoing)
 Appointed as a mentor for the joint PAICTA-UJ Technopreneurship Centre Hackaton-2020
 Actively mentored IBM student ambassadors at UJ-2020
 In 2019, I partnered with Dr Donald Ekong from Mecer University (USA) to 1. develop mobile applications to assist in the disposal of medical waste and 2. To help in the diagnosis of Cholera.
 Gave an interview for Brainstorm Magazine in 2020.
 Facilitated research webinars with guests from overseas institutions.

Online training and events

 I organised the IBM Master the Mainframe online training (level 1) for UJ students in partnership with IBM- 2020

I organised the introduction to IBM LINUX online training for first-year students at UJ in partnership with IBM-2020.

I organised the IBM Design Thinking workshop for UJ students in partnership with IBM-2020.

Membership in professional organisations

Association for Information systems (AIS)

South African Institute of Computer Scientists and Information Technologists (SAICSIT)

Institute of Electrical and Electronics Engineers (IEEE)

WORK EXPERIENCE

Program manager for the Diploma in Business Information Technology (BIT) program – January 2022- to date

University of Johannesburg

Senior lecturer- 2019 to date

Duties: teach undergraduate and postgraduate students in the Applied Information Systems Department; supervise masters, PhD students, and Postdoc research fellows; conduct research; publish research outputs in journals and present research papers at local and international conference

University of Johannesburg

Postdoctoral researcher: 2017- 2018

Duties: Conduct research, write, publish and present papers at local and international conferences

University of KwaZulu-Natal (UKZN)

Postgraduate assistant in the discipline of Information Systems and Technology: 2010-2016

Duties: delivered lectures to first-year students on selected subjects, facilitated modules' practicals at 1st, 2nd and 3rd-year levels, assisted lecturers in invigilating tests, assisted lecturers in conducting tutorials, set exam questions

UKZN

Part-time Lecturer in the discipline of information systems and Technology: 2013-2014

Duties: delivered lectures to first-year students on selected subjects, set and marked exam questions

UKZN

Coordinator for the Writing Place (Howard, Westville and Pietermaritzburg campuses at UKZN)-2014

Duties: supervising a team of twelve (12) "academic writing tutors" for the Writing Place UKZN.

Lecturer for CBA (Certificate in Business Administration-UKZN extended Learning)-2013

Duties: delivered lectures to CBA students

UKZN

Tutor/Lecturer for IBSM (Integrated Business Studies for Management- Bcom4 extended curriculum)-2013

Duties: delivered lectures/tutorials to first-year (entrants) students, marked students Tutorials and assignments

UKZN

Academic tutor for Augmented Curriculum Program (BCOM4)-2012

Duties: delivered lectures/tutorials to BCOM4 students on selected subjects

UKZN

TEACHING EXPERIENCE

I taught the following modules at the University of Johannesburg: Systems Software-SSW01A1 and SSW01B1 (first-year modules); Python programming module-DSW01A1 (Programming with Python for 1st-year students); Business Analysis-BAY02A1 (Second-year module); Database Security (IFS3B) Incident Response and Disaster Recovery-PGDIP0008 (Postgraduate level) and Business Analysis-BAY03A1.

I ran seminars on research methodology for Masters students in 2018 at the University of KwaZulu-Natal.

I was appointed as a part-time lecturer at UKZN-School of Information Systems and Technology in 2013-2014

I was appointed as a Postgraduate Assistant (PGA) at UKZN from 2010 to 2013, 2016 and 2017

I was appointed as tutor/lecturer in 2012 and 2013 for the UKZN-Bcom4 foundation programme.

I was appointed as a lecturer for the Certificate in Business Administration (CBA) programme at the University of KwaZulu-Natal in 2013

POSTGRADUATE SUPERVISION

Postdoctoral research supervision

Dr Macire Kante. Adoption of the Internet of Things in the healthcare sector. UJ, 2020 to 2021 (100% supervision) [In progress with 5 publications]

Dr Nurudeen Ajayi. Adoption of Blockchain in the healthcare sector. UJ, 2020 to 2021 (100% supervision) [In progress with 3 publications]

Doctoral research supervision

Mary Muhonde. A Maturity Model for E-health Interoperability in a Developing Country Context: The Case of Zimbabwe. UNISA, 2018 to 2021 (50% supervision with Dr Vincent Mzazi) [In progress]

Alpheus Wanano Mogwe. The effect of the adoption of mobile money services on Small to medium enterprises (SMEs) development. Proposal presented and accepted. UJ, 2020 to 2022 (100% Supervision) [In progress]

Ntombiyokusa Nyoni. A framework for the adoption of digital work to address unemployment in South Africa. Proposal presented and accepted. UJ, 2020 to 2022 (50% supervision with Dr Stella Bvuma) [In progress]

Milfort Maphuti Moloto. Precision driven construction tasks. UJ, 2020 to 2022 (50% supervision with Dr Molusiwa Ramabodu) [Proposal stage]

Bongisizwe Buthelezi. Blockchain solution for counterfeit drugs in South African Pharmaceutical Supply Chain. [In progress] (33% Supervision with Prof Hossana Twinomurinzi and Dr Shopee Dube)

Khulekani Sibanda. Exploring the design of a Secure and Permissioned Maternal and Child care Electronic Medical Records management system using Blockchain in low resource settings. UJ, 2021-2023 (100% Supervision) [In progress]

Masters research supervision

Zhane Solomon. Adoption of Virtual Reality for medical training in the context of South African higher education. UKZN, 2018 to 2020 (50% supervision with Mr Rushil Raghavjee) [Completed]

Josephine Chivinge. Strategies used to address challenges encountered during website development. UJ, 2019 to 2020 (50 % supervision with Dr Shopee Dube) [Completed with distinction and one publication]

Nompumelelo Mtshali. Potential adoption of mobile technologies to induce healthy eating habits. UKZN, 2018 to 2020 (50% supervision with Prof Irene Govender) [Completed with distinction]

Dineo Matlebjane. Adoption of blockchain to enhance patients' health information management. UJ, 2020 to 2021 (100% supervision) [Passed]

Katlego Motuba. Application of Artificial Intelligence to address water challenges in South African rural areas: Clean Water and Sanitation. (50% supervision with Ms Tebogo Makaba)

Jennifer Nkhwashu. Predicting patient admissions in emergency care using machine learning. UJ, 2020 to 2021 (50% supervision with Ms Tebogo Makaba) [ongoing]

Rachel Sefalafala. Adoption of cloud-based enterprise resource planning within the non-financial corporate sector. UJ, 2020 to 2022 (50% supervision with Dr Maureen Van der Bergh) [ongoing]

Shaivar Girdhari. Adoption of Blockchain to enhance the South African Healthcare financing system. (100% supervision) [ongoing]

Amanda Coetzee. A conceptual model for phishing awareness: A South African study (50% supervision with Dr Maureen Van der Bergh) [Passed]

Kabelo Phaahla. A framework for mHealth interventions in South Africa (50% supervision with Mr Siyabonga Mhlongo) [ongoing]

Jayd Clara. Community service nurses' experiences using virtual reality to manage hypertension [33% co-supervision with Prof Charlene Downing and Dr Herman Myburgh]

Honours research supervision

Pheladi Legodi. The application of blockchain to enhance the interoperability of health information systems. UJ, 2020 [Completed]

Sanele Madubandlela. The adoption of blockchain to address the supply chain issues in the public health sector. UJ, 2020 [Completed]

Retshepile Kenneth Mongali. Potential Adoption of Blockchain Technology for Quality Public Healthcare Services Delivery in South Africa. UJ, 2020 [Completed]

Keshan Athimoolam. Adoption of Virtual Reality to Provide Healthcare Services in Rural Areas. UJ, 2020 [Completed]

Mpho Setshedi. A framework for healthcare systems integration in South Africa. UJ, 2020 [completed]

Patson Ndhlovu. The Integration of Public Healthcare Information Systems in South Africa. UJ, 2020 [completed with distinction]

- Shaivar Girdhari. Adoption of blockchain to support the National Health Insurance (NHI) implementation in South Africa, UJ, 2020 [completed]
- Shivolan Moodley. A roadmap to integrated HIV healthcare systems in South Africa, UJ, 2020 [completed]
- Shalati Ludmilla Shingwenyana. Determinants of the adoption of mhealth applications that promote physical activity. UJ, 2019 [completed with 1 publication]
- Dineo Matlebjane. Potential adoption of mobile applications that help induce healthy eating habits. UJ, 2019 [completed with distinction]
- Frank Mgwili. State of information systems security in South African public institutions. UJ, 2019 [completed]
- Advice Makamu. Information Security in the context of Bring Your Own Device (BYOD). UJ, 2019 [completed]
- Siphesihle Ndlovu. Determinants of employees' compliance with information systems controls. UJ, 2019 [completed]
- Aarifah Essopjee. Compliance with information systems security controls. UJ, 2019 [completed]
- Tom Cyprian Sony. Adoption of self-healthcare monitoring mobile applications. UKZN, 2017 [completed with distinction]
- Nompumelelo Cebisile Mtshali. Determinants for the Adoption of Wayfinding Mobile Applications. UKZN, 2017 [completed with distinction]

PUBLICATIONS

Articles in peer-reviewed journals

- Bongisizwe Buthelezi, Patrick Ndayizigamiye, Hossana Twinomurinzi, Shopee Dube. A Systematic Review of the Adoption of Blockchain in Supply Chain Management. *Journal of Global Information Management (JGIM)*. [In press].
- Chivinge, J.R., Dube, S. and Ndayizigamiye, P., 2021. Strategies used to address challenges encountered during website development in South Africa. *SA Journal of Information Management*, 23(1), p.9.
- Kante, M. and Ndayizigamiye, P., 2021. Internet of Medical Things, Policies and Geriatrics: An Analysis of the National Digital Health Strategy for South Africa 2019-2024 from the Policy Triangle Framework Perspective. *Scientific African*, 12 (2021).
- Kante, M. and Ndayizigamiye, P., 2020. An analysis of the policies of Information and Communication Technologies for Agriculture in Mali. *The Journal of Community Informatics* 16, 100-117.
- Kante, M. and Ndayizigamiye, P., 2020. An analysis of the current status of Internet of Medical Things policies in developing countries. *NPG Neurologie-Psychiatrie-Gériatrie*, 20 (119), 259-265.
- Ndayizigamiye, P., Kante, M. and Shingwenyana, S., 2020. An adoption model of mHealth applications that promote physical activity. *Cogent Psychology*, 7(1), p.1764703.

Khoase, R.G., Derera, E., McArthur, B. and Ndayizigamiye, P., 2020. Barriers to start-up and sustainable growth of SMMEs: a comparative study between South Africa and Lesotho. *African Journal of Business and Economic Research*, 15(2), pp.137-157.

Khoase, R.G., Derera, E., McArthur, B. and Ndayizigamiye, P. (2019). Perceptions of Small, Medium and Micro Enterprises' Owners on Services Provided by the Supporting Institutions in South Africa. *Journal of Gender, Information and Development in Africa*. 8(2): 139-160

Ndayizigamiye, P. and Khoase, R.G. 2018. Inhibitors of the adoption of E-Commerce by SMMEs in two South African cities. *International Journal of E-business and E-government Studies*, 10 (1): 51-66.

Khoase, R.G. and Ndayizigamiye, P. 2018. Analysing the Role and Impact of Public and Private Supporting Institutions Interventions on SMMEs Access to Funding: A Comparative Study between Lesotho and South Africa. *Acta Universitatis Danubius, (Economica)*, 14 (4): 58-71.

Ndayizigamiye, P. and Maharaj, M. 2017. Determinants of Mobile Health Adoption in Burundi. *The African Journal of Information Systems*, 9 (3): 171-191.

Edited book

Ndayizigamiye, P., Barlow-Jones, G., Brink, R., Bvuma, S., Minty, R., Mhlongo, S. (2021). Perspectives on ICT4D and Socio-Economic Growth Opportunities in Developing Countries. IGI Global

Ndayizigamiye, P., Kante, M. (2022). Building Resilience in Health Systems using ICTs. IGI Global.

Idemudia, E, Iyamu, T., Ndayizigamiye, P., Shaanika, I. 2022. Using Information Technology Advancements to Adapt to Global Pandemics. IGI Global (to be published in 2022).

Peer-reviewed book chapters

Girdhari, S and Ndayizigamiye, P. Adoption of Blockchain to Support the National Health Insurance Implementation in South Africa: An Integrative Review. In *Building Resilient Healthcare Systems With ICTs*, pp 194-228.

Ndayizigamiye, P. (2022) Impediments to the Adoption of mHealth Interventions in Burundi. In *Building Resilient Healthcare Systems With ICTs*, pp 175-193. IGI Global.

Kante, M. and Ndayizigamiye, P. (2022). A Systematic Review of eHealth Studies on the COVID-19 Pandemic. In *Building Resilient Healthcare Systems With ICTs*, pp. 57-73. IGI Global.

Ndayizigamiye, P. (2022). Implementation of mHealth Interventions for Public Healthcare in East Africa: Lessons Learnt. In *Building Resilient Healthcare Systems With ICTs*, pp 106-124. IGI Global.

Kante, M. and Ndayizigamiye, P. (2021). A Systematic Mapping of Studies on the Adoption of Internet of Things to Provide Healthcare Services in Developing Countries. In *Perspectives on ICT4D and Socio-Economic Growth Opportunities in Developing Countries*. IGI Global

Ndayizigamiye, P. and Khoase, R.G. (2021). Analysing the Relationship Between SMME Geographic Coverage and E-Commerce Adoption. In *Perspectives on ICT4D and Socio-Economic Growth Opportunities in Developing Countries*. IGI Global

Nsahlai, V, Khoase, R., Ndayizigamiye, P., Dube, S. 2019. A Systematic Review of Digital Marketing in South Africa. In *Strategies and Tools for Managing Connected Consumers*. IGI Global

Lukendo-Moise, L., Khoase, R.G. and Ndayizigamiye, P. (2019). Factors that influence the growth of African Foreign-owned SMEs in South Africa. In *Analyzing the Relationship Between Innovation, Value Creation, and Entrepreneurship*. IGI Global

Solomon, Z., Ajayi, N., Raghavjee, R., Ndayizigamiye, P. (2018). Lecturers' Perceptions of Virtual Reality as a Teaching and Learning Platform: 47th Annual Conference of the Southern African Computer Lecturers' Association, SACLA 2018, Gordon's Bay, South Africa, June 18–20, 2018, Revised Selected Papers

Articles in conference proceedings

Ndayizigamiye, P., Dube, S. (2019). Potential Adoption of Blockchain Technology to Enhance Transparency and Accountability in the Public Healthcare System in South Africa. Presented at the IEEE International Multidisciplinary Information Technology and Engineering Conference (IMITEC 2019), Emerald Resort and Casino, Vanderbijlpark, Gauteng, South Africa, 21-22 November 2019

Matiyabu, I.I. and Ndayizigamiye, P. (2019). Enhancing Agricultural Practices through Mobile Technology Interventions: A Case of the Democratic Republic of Congo. Presented at the 2019 IEEE Global Humanitarian Technology Conference (GHTC), Seattle, USA, 17-20 October 2019

Matiyabu, I.I. and Ndayizigamiye, P. (2019). The potential use of Social Media for Healthcare Advocacy in the Democratic Republic of Congo. Presented at the 4th International Conference on the Internet, Cyber Security and Information Systems, Johannesburg, South Africa, 31 October-01 November 2019

Chivinge, J.R., Dube, S., Ndayizigamiye, P. (2019). Website Development Challenges in South Africa: A systematic review. Presented at IBC Conference, Africa Pride Arabella Hotel & Spa, Kleinmond, Hermanus, South Africa, 22–25 September 2019

Lukendo-Moise, L., Khoase, R.G., Derera, E. and Ndayizigamiye, P. (2019). The impact of supporting institutions interventions on managerial competencies. Paper presented at the ICSS Conference, Riverside Sun Hotel, Vanderbijlpark, South Africa, September 3-5, 2019

Ndayizigamiye, P., Khoase, R.G. and Jere, J. (2019). Analysing the Relationship between e-Commerce Enablers and e-Commerce Adoption: A case of SMEs in South Africa. Presented at the ICSS Conference, Riverside Sun Hotel, Vanderbijlpark, South Africa, September 3-5, 2019

Jere, J.N. and Ndayizigamiye, P. 2018. Analysing the Relationship between the Use of ICTs and Food Insecurity in Smallholder Farmer Households. IST-Africa 2018 Conference Proceedings. Gaborone International Convention Center, Botswana, 9-11 May 2018.

Ndayizigamiye, P., Soni, T.C. and Jere, N. 2018. Factors Motivating the Adoption of Self-Healthcare Monitoring Mobile Applications by the South African Youth. IST-Africa 2018 Conference Proceedings. Gaborone International Convention Center, Botswana, 9-11 May 2018.

Imaja, I.M., Ndayizigamiye, P. and Maharaj, M. 2017. A design of a mobile health (mHealth) intervention for the prevention and treatment of Cholera in South Kivu in the Democratic Republic of Congo. IEEE Global Humanitarian Technology Conference Proceedings. Double Tree Hotel, San José, California, USA: 19-22 October 2017.

Ndayizigamiye, P., Hangulu, L. and Akintola, O. 2017. A Design of a Mobile Health Intervention to Enhance Home-Carers' Disposal of Medical Waste in South Africa. IEEE Global Humanitarian Technology Conference Proceedings. Double Tree Hotel, San José, California, USA: 19-22 October 2017.

Imaja, I.M., Ndayizigamiye, P. and Maharaj, M. 2017. The role of ICT in Enhancing Transparency and Accountability in Public Funds Management in DRC. IEEE-IST-Africa 2017 Conference Proceedings. Safari Hotel Conference Centre, Windhoek, Namibia: 31 May-02 June 2017.

Ndayizigamiye, P. and Maharaj, M. 2016. Mobile Health Adoption in Burundi: A UTAUT Perspective. IEEE Global Humanitarian Technology Conference Proceedings. Double Tree Hotel, Seattle, Washington, USA: 13-16 October 2016.

Ndayizigamiye, P. and Maharaj, M. 2016. Applying Bridges Framework to Investigate Challenges to the Adoption of mHealth in Burundi. IEEE-IST-Africa 2016 Conference Proceedings. Southern Sun Elangeni Hotel, Durban, South Africa: 11-13 May 2016.

Abstracts presented at conferences

Ndayizigamiye, P. and Ajayi, N. 2019. Adoption of Blockchain Technology to Enhance Public Healthcare Supply Chain in South Africa: A Systems Thinking Approach. Presented at the twenty-fifth Americas Conference on Information Systems, Cancún International Convention Center, Cancún-México, August 15-17, 2019

Determinants of the Adoption of Self-healthcare Monitoring Mobile Applications. Fortieth International Conference on Information Systems (ICIS)-Munich, Germany. Internationales Congress Center München, December 15-18, 2019

Ndayizigamiye, P. 2016. Evidence-based impact assessment of mHealth interventions for public healthcare awareness in East Africa. 2016. Public Healthcare Association of Southern Africa (PHASA) Conference. East London Convention Center, East London, South Africa: 19-21 September 2016.

Ndayizigamiye, P. and Maharaj, M. 2018. A systematic review of mHealth interventions for public healthcare in East Africa. 2018 Americas Conference on Information Systems (AMCIS-2018) proceedings. Hyatt Regency Hotel, New Orleans-Louisiana, 16-18 August 2018.

Articles presented at conferences but not published

Lukendo-Moise, L., Khoase, R.G., Derera, E. and Ndayizigamiye, P. (2019). The challenges faced by SMMEs owners/managers to access assistance from supporting institutions. Presented at IBC Conference, Africa Pride Arabella Hotel & Spa, Kleinmond, Hermanus, South Africa, 22–25 September 2019.

Ndayizigamiye, P. and Maharaj, M. 2015. Knowledge and diffusion of mobile health (mHealth) systems in Burundi: A stakeholders' participation approach. International Conference on Post-Graduate Students' Research on Indigenous Knowledge Systems in Southern and Eastern Africa 2015. University of KwaZulu-Natal, Durban, South Africa.: 19 – 20 November 2015.

Ndayizigamiye, P. 2015. Impediments to the adoption and scalability of mHealth interventions in Burundi. A paper presented at WHITE 2015, the 6th Annual Workshop on Health IT and Economics. Washington Court Hotel, Washington, DC (USA), October 9-10th, 2015.

Ndayizigamiye, P. and Maharaj, M. 2014. The Adoption of Mobile Health (M-Health) In African Developing Countries: A Case of East African Community. A paper presented at the Business Management Conference (BMC), Durban-South Africa, 17-19 September 2014.

Ndayizigamiye, P. and Maharaj, M. 2014. An Analysis of the Suitability of Mobile Health in Burundi. A paper presented at the Business Management Conference (BMC), Durban, South Africa, 17-19 September 2014.

Ndayizigamiye, P. and McArthur, B. 2014. A Comparative Approach to E-Commerce Adoption in South Africa. A paper presented at the Business Management Conference (BMC), Durban, South Africa, 17-19 September 2014.

AWARDS AND RECOGNITIONS

Awarded a two-year NRF freestanding scholarship for postdoctoral fellowship (2017 and 2018)

Awarded a 3-year NRF innovation scholarship to pursue doctoral studies (2013-2015)

Awarded the Stellar Performance Award by the School of Consumer Intelligence and Information Systems (University of Johannesburg) - 2019

Awarded the Rising Star Award performance award by the School of Consumer Intelligence and Information Systems (University of Johannesburg) – 2019

I was recognized as an IBM champion for my outstanding contributions to student hands-on learning- 2021 and 2022

REFEREES

Professor Paul-Francois Muzindutsi
Associate Professor, School of Accounting, Economics and Finance, University of KwaZulu- Natal
E-mail address: MuzindutsiP@ukzn.ac.za
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Professor Abejide Ade Ibijola
Full Professor of Artificial Intelligence, University of Johannesburg
Email address: abejideai@uj.ac.za
Tel: +27115599000

Dr Shoppee Dube
Senior Lecturer, University of Johannesburg
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