

Department of Information Sciences

- **Scholarship winners**

Miss Mandisa Msomi

Congratulations to Miss Mandisa Msomi for receiving the DSI-CSIR Inter-Bursary Support (IBS) Doctoral Scholarship. Miss Mandisa Msomi is currently pursuing her PhD in Information Science at Unisa, in the Department of Information Science.

The title of her thesis is: “Digital transformation framework in the public health sector in South Africa”

Her study intends to contribute to the National Digital Strategy for South Africa (2019-2024), with a prominent outlined framework to guide in the establishment of an integrated platform and in the tracking of digital transformation in South African public health sector. Her research project is supervised by Professor Ngoako Marutha.

Her research interests include the following: digital transformation in the health sector; monitoring and evaluation of electronic health records systems in hospitals; development of change management policies and procedures in the execution of EHR systems, including job restructuring; and profiling in the development of digital transformation in the health sector.



Mr Mashilo Modiba

Congratulations to Mr Mashilo Modiba for receiving the NIHSS (National Institute for Humanities and Social Sciences)-SAHUDA Doctoral Scholarship. Mr Mashilo Modiba is currently pursuing his PhD in Information Science at Unisa, in the Department of Information Science. “I feel so honoured to have been granted this prestigious award by the NIHSS. The scholarship will indeed assist me to complete my PhD research project, without any financial difficulties.”

The title of his thesis is: “Utilising artificial intelligence technology for the management of records at the Council for Scientific and Industrial Research in South Africa”

His study intends to recommend a framework to apply artificial intelligence and robotic machines to perform records management functions such as records creation, automated classification, digitisation, records maintenance, records storage and records disposal, among others. Such functions are performed via natural language processing (NLP), machine learning, deep learning, black box, cloud storage, automated rules and neural network algorithms. His research project is supervised by Professor Patrick Ngulube and Professor Ngoako Marutha.

His research interests include the following: artificial intelligence and robotic machines; cloud storage; big data; internet of things; block-chain technology and their application in the library and information industry.



Mr Makutla Mojapelo

Congratulations to Mr Makutla Mojapelo for receiving the National Institute for Humanities and Social Sciences (NIHSS)-SAHUDA Doctoral Scholarship. Mr Mojapelo was also awarded a bursary by the International Council on Archives (ICA) to be an active ICA New Professional in 2021. Mr Mojapelo is currently pursuing his PhD in Information Science at Unisa, in the Department of Information Science.

The title of his thesis is: "Implementation of freedom of information (FOI) legislation in South Africa and Zimbabwe"

His study intends to develop a framework that will assist South Africa and Zimbabwe in fostering successful implementation of FOI legislation in order to promote a culture of openness and public participation. His research project is supervised by Professor Mpho Ngoepe.

His research interests include the following: open and big data; access to information; digital records curation; cloud storage; block chain-technology; information ethics; and information governance.



Mr Mahlatshe Shekgola

Congratulation to Mr Mahlatshe Shekgola for receiving the ARMA International Educational Foundation Scholarship. Mr Mahlatshe Shekgola is currently pursuing his PhD in Information Science at Unisa, in the Department of Information Science.

The title of his thesis is: "Implementation of free and open source software for management and preservation of digital records in South Africa"

His research project is supervised by Professor Mpho Ngoepe.

His research interests include the following: archives and records management; digital records management and preservation; electronic records management software; disruptive technologies; blockchain technology; cloud computing; storytelling; and oral heritage.



Mr Kabelo Chuma

Congratulations Mr Kabelo Chuma for receiving the National Institute for Humanities and Social Sciences (NIHSS)-SAHUDA Doctoral Scholarship for the 2021 academic year. Mr Chuma is currently pursuing his PhD in Information Science at the Unisa, in the Department of Information Science.

The title of his thesis is: “Data interoperability of health information systems in public hospitals in the Gauteng province of South Africa”

The objective of this study is to use standards in the healthcare system of South Africa to address the problem of data interoperability across Gauteng public hospitals. His study intends to propose a framework that can be used as a frame of reference to promote data sharing, coherence and collaboration among public hospitals to provide the most efficient, effective and convenient health services to patients. His research project is supervised by Professor Mpho Ngoepe.

His interests include the following: research and development in the areas of big data and analytics; data cybersecurity; information governance; archive and records management; information security; data and network security; health information technology; security and privacy; mobile security; and internet bank security.

