

# NELSON MANDELA

UNIVERSITY



**April 2023**  
**Autumn Graduation**  
**Ceremony 21**

Faculty of Engineering, the Built Environment and Technology

26 APRIL 2023 | 09:30



### **VISION**

To be a dynamic African university, recognised for its leadership in generating cutting-edge knowledge for a sustainable future

### **MISSION**

To offer a diverse range of life-changing education experiences for a better world

### **VALUES**

Excellence

Respect for diversity

Ubuntu

Social justice and equality

Integrity

Sustainable stewardship

Respect  
for diversity

Excellence

Ubuntu

Social justice  
and equality

Integrity

Sustainable  
stewardship



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# Congratulatory Message

Graduation is a significant milestone in life. It is the culmination of an academic journey that reflects your ambition, determination, commitment, perseverance, and demanding work. We know that this journey is not yours alone, as many have travelled with you. These are your friends, your lecturers, supervisors, mentors, and your family. They have invested in you financially, guided your studies, supported you and

encouraged you to keep going. But above all, they have believed in your ability to succeed and achieve this graduation dream.

Today, we celebrate not only what you have achieved, but what this promises going forward in terms of your potential as a graduate and alumnus of Nelson Mandela University.

Your education is your passport to the future – and the future hopes of our country and continent.

Indeed, education, is the foundation to a better world. As our namesake Nelson Mandela so eloquently put it:

***“Education is the most powerful weapon which you can use to change the world.”***

Today your joy is our joy too.

We salute and applaud your achievement and wish you every success for your future endeavours, wherever they may take you.

Congratulations!

Uthweso zidanga ludumo olubaluleke kunene ebomini. Yinkcochoyi kuhambo lwemfundo enomsila echaza ukunxanwa kwakho, ukuzimisela, ukuzinikela, ukunyamezela kwanomsebenzi otya ixesha. Siyayazi ukuba olu hambo asilolwakho kuphela, nanjengoko uninzi luthe lwakhenketha nawe. Abo ngabahlobo bakho, abahlohli bakho, amakhankatha, abacebisi, kwakunye nosapho lwakho. Batyale imali kuwe, bekukhokela kwizifundo zakho ze bakukhuthaza ukuba uqhubeke uye phambili. Kodwa ngaphezulu konke, baye bakholelwa kumandla wakho okuphumelela nokuzuza eli phupha lothweso sidanga.

Namhlanje sibhiyozela hayi nje othe wakuzuza, kodwa okulithemba lokuqhubekela phambili mayelana namandla owathweleyo njengothweswe isidanga kwaye ebengumfundi waseNelson Mandela University.

Imfundo yakho litikiti lakho elikukhokelela ebomini – kwaye ubomi obulithemba lelizwe nezwekazi lethu. Ngaphandle kwamathandabuzo, imfundo, sisiseko sehlabathi elingcono. Okanye, njengokuba eyibeka ngokucace gca uNelson Mandela xa esithi:

***“Imfundo lelona krele lakhe lanamandla ongathi ulisebenzise ukutshintsha ihlabathi.”***

Namhlanje uvuyo lwakho luvuyo lwethu nathi.

Dr Geraldine Fraser-Moleketi  
Chancellor



**Sikothulela umnqwazi kwaye sikuqhwabela izandla ngenzuzo yakho futhi sikunqwenelela impumelelo nakuso nasiphi na isigaba seenzame zobomi bakho, naphi na apho singakusa khona.**

**Huntshu!**

Gradeplegtigheid is 'n belangrike mylpaal in die lewe. Dit is die hoogtepunt van 'n akademiese reis wat jou ambisie, vasberadenheid, toewyding, deursettingsvermoë en veeleisende werk weerspieël. Ons weet dat hierdie reis nie joune alleen is nie, aangesien baie mense saam met jou gereis het, jou vriende, jou lektore, toesighouers, mentors en jou familie. Hulle het finansieel in jou belê, jou studies gelei en jou aangemoedig om voort te gaan. Maar bowenal het hulle geglo in jou vermoë om sukses te behaal en hierdie droom om te gradueer te bereik.

Vandag vier ons nie net wat jy bereik het nie, maar ook dit wat dit vorentoe beloof in terme van jou potensiaal as 'n gegradueerde en alumnus van die Nelson Mandela Universiteit.

Jou geleerdheid is jou paspoort na die toekoms – en die toekomshoop van ons land en kontinent. Inderdaad, onderwys is die grondslag vir 'n beter wêreld. Of soos Nelson Mandela dit so welsprekend gestel het:

***“Onderwys is die magtigste wapen waarmee jy die wêreld kan verander.”***

Vandag is jou vreugde ook ons vreugde.

Ons salueer en loof jou prestasie en wens jou alle sukses toe vir jou toekomstige ondernemings, waar hulle jou ook al mag neem.

Veels geluk!



**Professor Sibongile Muthwa**  
Vice-Chancellor

# About Nelson Mandela University



Dynamic and forward-thinking, Nelson Mandela University is a leader in generating cutting-edge knowledge for a sustainable future.

As a socially-embedded African university in the service of society, we offer a range of life-changing educational experiences, impactful research and innovation, and transformative engagement for a better world. We strive to change the world.

All of these are rooted in and informed by recent milestones in the University's history, such as the 2017 name change to Nelson Mandela University, the Vice-Chancellor's listening campaign and her inaugural address. This name took over from Nelson Mandela Metropolitan University, which itself

was the result of the merging of the PE Technikon, the University of Port Elizabeth and the Port Elizabeth campus of Vista University.

Today Nelson Mandela University is a sought-after educational destination in South Africa and the only higher education institution in the world to carry the name of Nelson Rolihlahla Mandela.

## **What we offer**

Along with a first-class academic education, Nelson Mandela University provides students with a vibrant student life reflecting their involvement beyond the classroom. It is all part of the drive to produce holistic graduates who are life-long learners as well as socially

conscious and responsible global citizens.

## Our campuses

Our seven campuses have a large footprint in Nelson Mandela Bay and George, and this is growing. In 2022 alone, we invested three-quarters of a billion rand in campus infrastructure. It's a massive investment in both the University and in the infrastructure of the city, contributing to its economy and urban renewal.

## Our campuses

Bird Street Campus

George Campus

Missionvale Campus

North Campus

Ocean Sciences Campus

Second Avenue Campus

South Campus

Six of our campuses are in Gqeberha, in Nelson Mandela Bay, in the Eastern Cape Province. Four are in Summerstrand, one is in Bird Street in Central, and one in Missionvale. Our North and South campuses in Summerstrand are on a 840-hectare private nature reserve.

The seventh – our George Campus – is on the Garden Route, midway between Nelson Mandela Bay and Cape Town. Set at the foot of the Outeniqua Mountains, our “sustainability” campus is home to two centres of excellence – the School of Natural Resource Management and the School for Business and Social Sciences. It's where our ecological footprint meets business acumen for a sustainable future.

## Ground-breaking projects

### Medical School

Our programme to train MBChB graduates in Gqeberha is the first and only medical school in the western part of the province. Intentionally anchored in Missionvale to engender urban renewal and regeneration, it is set to make a tangible contribution to building capacity for accessible healthcare service delivery through its emphasis

on primary health care.

## Ocean Sciences

The University has developed a range of marine and maritime education and training, research, innovation and engagement programmes to support Africa's blue economy that stretch across and within disciplines. Nelson Mandela University was ranked as the top institution in South Africa for UN Sustainable Development Goal Four: Life Below Water in 2021 <https://international.mandela.ac.za/About-Us/Mandela-International-News/News/Nelson-Mandela-University-shines-in-the-Times-High>.

## Revitalising the Humanities

Our critical engagement with what it means to revitalise the humanities includes a focus on decoloniality and indigenous knowledges, with a quest to awaken transdisciplinary African scholarship and systems of thought.

## Engagement and Transformation

We are on a journey of engagement and transformation, using humanising pedagogy to create an environment for learning to thrive in a socially just world. In co-creating the transformative, responsive university, in part through our Hubs of Convergence, we are making a difference in our communities.

## Digitalisation

We are investing significant resources in advancing digitalisation in pursuit of excellence. This includes addressing the digital divide, broadening access to mobile devices and data connectivity, and upskilling students and staff for flexible modes of learning and work.

## Sustainability

The University aims to contribute to the three indivisible dimensions of sustainability – economic, social and environmental – to promote a fair, liveable and viable world. Sustainability and responsible resource stewardship are critical enablers to support our drive to be an institution in the service of society.

## Fast Facts

**7 CAMPUSES**  
North, South, Ocean Sciences, Second Avenue (in Summerstrand) Missionvale (Missionvale), Bird Street (Central), George (George Campus in the Garden Route)



**379 PROGRAMMES**  
(FROM CERTIFICATE THROUGH TO DOCTORAL QUALIFICATIONS)

**7 FACULTIES**  
(Business and Economic Sciences; Education; Engineering, the Built Environment and Technology; Health Sciences; Humanities; Law and Science)



**30 757 ENROLLED STUDENTS**

**6 INSTITUTIONAL RESEARCH THEMES**

**2 254 PERMANENT EMPLOYEES**



**STRATEGIC FOCUS AREAS**

 **727 INTERNATIONAL STUDENTS**



**43 DIFFERENT COUNTRIES**



# Office-Bearers of the University

## CHANCELLOR

Dr GJ Fraser-Moleketi: MAdmin (UP), DPhil (*honoris causa*) (Mandela University)

## CHAIRPERSON OF COUNCIL

Ambassador NP January-Bardill: BA, Cert in Ed (UBL), MA (Essex University, UK), Dip HR Management (Damelin)  
Doctor of Laws (*honoris causa*) (Glasgow Caledonian University)

## VICE-CHANCELLOR

Prof SW Muthwa: BA(SW) (Fort Hare), BA(SW) Hons (Wits), MSc, PhD (London University, UK)

## DEPUTY VICE-CHANCELLOR: ENGAGEMENT AND TRANSFORMATION

Prof A Keet: BA, HDE, BEd, MEd (UWC), PhD (Edu Manag, Law and Policy) (UP)

## DEPUTY VICE-CHANCELLOR: LEARNING AND TEACHING

Dr SF Moeng (Acting): BA, HDE, BEdHons (UPE), MSc (St Cloud State University, USA), DEd (NMMU)

## DEPUTY VICE-CHANCELLOR: PEOPLE AND OPERATIONS

Mr LE Hashatse: BJourn & Media, BAHons (Rhodes), MA (Edith Cowan University, Australia)

## DEPUTY VICE-CHANCELLOR: RESEARCH, INNOVATION AND INTERNATIONALISATION

Dr T Mgwebi: BSc, BScHons, MSc, HDipEd (Unitra); PhD (UCT); PGDeg (Tertiary Education Management) (University of Melbourne, Australia)

## DEAN OF STUDENTS

Mr LP Jack: NDip(PMA)(EC Technikon), BTech(PM)(PET), BAPhil (US), MCom (UKZN)

## EXECUTIVE DIRECTOR: FINANCE

Mr MR Monaghan: BCom(UPE), BComHons (UNISA), Professional Accountant(SA)

## REGISTRAR

Mr EB De Koker: BA(UCT), BAHons (UNISA), MA(Pub Admin) (University of Warwick, UK)

## PRESIDENT OF ALUMNI ASSOCIATION

Mr S Hlwatika: LLB (NMMU), PGDip (Labour Law Practice), LLM (Labour Law)(Mandela University)



# Executive Deans of Faculties

## **BUSINESS AND ECONOMIC SCIENCES**

Prof HR Lloyd: BCom, BComHons, MCom, DCom (UPE)

## **EDUCATION**

Dr T Morar (Acting): PTD (Dower College), BA (UPE), BEd Hons (RU), MEd (Leeds, UK), BCom (Vista), DEd (Curtin, Australia)

## **ENGINEERING, THE BUILT ENVIRONMENT AND TECHNOLOGY**

Prof M Sheldon: BTech BA, DEng (Chemical Engineering) (CPUT), Pr Tech Eng

## **HEALTH SCIENCES**

Prof Z Zingela: MBChB (Natal), FCPsych (SA), MMed (UP), PhD Psychology (Mandela Uni)

## **HUMANITIES**

Prof P Maseko: BA, BAHons (UWC), MA, PhD, PGDip in Higher Ed (RU)

## **LAW**

Dr L Biggs: BCom (Law), LLB(UPE), LLM (Labour Law) (Cum Laude), LLD (NMMU)

## **SCIENCE**

Prof A Muronga: BSc, UED(UNIVEN), BScHons, MSc (UCT), PhD (University of Minnesota, USA)

## **DEAN OF LEARNING AND TEACHING**

Dr P Kota-Nyati: BA(Vista), BAHons, MA Couns Psych (UPE), DPhil (Mandela Uni)



# Order of Proceedings

## **Entrance of Academic Procession**

## **Moment of Silence**

## **Constitution of Congregation and Welcome**

Vice-Chancellor

## **Choral Item**

Nelson Mandela University Choir

## **Awarding of Qualifications**

Vice-Chancellor

## **Conferring of Doctoral Degrees**

Vice-Chancellor

## **Message of Congratulations and Dissolution of Congregation**

Vice-Chancellor

## **National Anthem**

(The congregation is requested to stand for the singing of the National Anthem)

## **Departure of Academic Procession**

(The congregation is requested to remain standing until the academic procession has left the hall)

\* The words *Cum Laude* indicate that the diploma or degree is awarded with distinction to the candidate/s listed



## FACULTY OF ENGINEERING, THE BUILT ENVIRONMENT AND TECHNOLOGY

### HIGHER CERTIFICATE IN INFORMATION TECHNOLOGY IN USER SUPPORT SERVICES

AHMED, Cyahman  
BAYENI, Vuyolwethu  
BHAVUMA, Yamkela  
BOOI, Phumza Monique  
BOOI, Qhama Raymond  
CHABANGU, Karabo Happiness Annah  
CHAUKE, Khanimamba Ryton  
DELIHLAZO, Solomzi  
DENDE, Sive  
DLAMINI, Vumani  
DOLLEY, Claude Adrian  
DYANTYI, Liyema  
FATMAN, Sapho  
GOLIATH, Cameron  
GWABILE, Onesimo  
HERMANUS, Anthony Evandre Ethan  
JAN, Siphe  
KUBEKA, Dumakude Nikki  
LALI, Sophumla  
LANGSON, Kyle Lesley  
LUTHULI, Chantell  
MABETSHE, Nozuko  
MABIE, Tamia  
MADIKIZA, Sonwabale  
MAFA, Andries  
MAFIFI, Tetelo Thomas  
MAGORO, Rolivhuwa  
MAGUGU, Ntombizodwa  
MAHLANYANA, Sifiso  
MAHUNGENI, Welcome Wukama  
MAKHABA, Kholosa  
MAKOLA, Thabang Innocent  
MALITI, Phumlisa  
MAMAFHA, Thabelo Wesley  
MAQUNGO, Onomusa Sinembasa  
MATOMANE, Sikho  
MATSHA, Katlego Priscilla Nikita  
MBOLEKWA, Zilungile  
MKABA, Mhlali  
MKHOHLIWE, Sange  
MKIZE, Viwe Kize  
MNDELA, Luxolo  
MNYAMANA, Zethu  
MODISE, Kutlwano  
MOEPANE, Motlatsi Kamohelo  
MOKGABUDI, Mamphare Adelaide  
MOKOENA, Tsholofelo Precious  
MOLEKOA, Malose Colia  
MONAKEDI, Clive Tlokotse  
MOYANA, Arnold Thabo  
MPHEPHU, Muofhe  
MSIBI, Thembumenzi Matricia  
MUDAU, Christin Tshililo  
MUKHETHI, Ronewa  
MYATAZA, Lwazi  
MZATHU, Unathi

NCUBE, Thulisile Princess  
NDLOVU, Christophercalos  
NDWAYANA, Siyanda  
NETSHISUMBEWA, Maanda Emmanuel  
NETSHISWINZHE, Murendeni  
NGCUKANA, Anathi  
NGONYAMA, Masithembe  
NGQUPHAZA, Asanda  
NGUBOZENGWE, Siphosethu  
NOKWE, Cwenga  
NTANTISO, Phumza Euginia  
NTLOKO, Khanyisa  
PHOKU, Dimpho  
RUITERS, Maximus  
SETUNGOANA, Molefi Albert  
SINYANZA, Lisakanya Zukiso  
SITHOLE, Bonga Siyanda  
SITIMELA, Afika  
SIZIBA, Nokungcwalisa  
SIZINI, Simanye Tevin  
SOKANYILE, Khwezi  
SOKOLO, Asanda  
TETE, Lelethu  
THAME, Mutshidzi Kay  
THYS, Chumani Theophilus  
TSHABALALA, Nteboheng  
WHITE, Keivann  
WILLIAMS, Herchell  
XOSEN, Asandiswa Lucia

### **CUM LAUDE**

ABRAHAMS, Mureedah  
NGCWEMBE, Bunono Junior  
NGUBANE, Asithandile Angela  
RAKGALAKANE, Mmasetshaba Wendy

### DIPLOMA: INFORMATION TECHNOLOGY (COMMUNICATION NETWORKS)

ADAM, Vuyo  
BARNARD, Georgia  
GIGABA, Sanele Odwa  
HERMANS, Naledi Palesa  
KALIPA, Nombasa  
KWAYINI, Nkcubeko  
LETSABA, Edith Mathapelo  
MABIYA, Isenathi  
MAFUNGISA, Antikaho  
MAKHUBELA, Doctor Liyoni  
MARWARWA, Avuzwa  
MAVUSO, Siyabonga  
MGQUBA, Sihle  
MKHWANAZI, Nkosingiphile  
MOHALE, Teboho  
MOHLALA, Tokelo  
MOKONE, Tebogo Cicil  
MOLATLHEGI, Palesa Keolebogile

MPANZA, Amandla Zamani  
MTLOMELO, Yanga  
NDLOVU, Aphiwe  
NDLOVU, Dikeledi Ester  
NOMPUKANE, Sandiso  
NTLANGA, Sinesipho  
NTSHOBANE, Usiphile Vuyile  
OLIE, Kouassi Elisee  
PHUNDULU, Susan Khodani  
QANGULE, Awiwe  
SEBALI, Matome  
SHAKWANE, Karabo  
SOBEKWA, Azasakhe  
STOWMAN, Nechael Tazney  
VOYIYA, Siyanda  
XANDEKANA, Yonela Zizipho  
YINGWANI, Ezile

#### **CUM LAUDE**

ISAAC, Axolile

#### **DIPLOMA: INFORMATION TECHNOLOGY (SOFTWARE DEVELOPMENT)**

ALLY, Mohamed Ziyaad  
ALTING, Tristan  
BAMBISO, Xola  
BETANE, Ziphakamise  
BLESS, Unathi  
BLOK, Duwayne  
BOOI, Sinazo  
BOUWER, Jayson Michael  
CHIPPS, Amore  
DAVIDS, Jean Christopher  
DE DONCKER, Darren  
DOGLOUS, Unathi  
DYANTJIES, Thulani  
FELIX, Rhys  
FILLIS, Sheldon Andre  
FOLOLO, Siphosethu  
FOURIE, Chad Andrew William  
FOURIE, Janu Kleyn  
GAWULEKAPA, Sanga  
GEORGE, Mangokazi  
GQAMANE, Siziphiwe  
GQIBANI, Chumani  
GREEVE, Curtly Ethan  
GWAYI, Bongeka Samkelisiwe  
GWAYISE, Anelisiwe Siwaphiwe  
HESHU, Sesona Ongeziwe  
ISAACS, Moegamat Reezaa  
ITUMELENG, Rorisang  
JANSEN, Tristan Matthew  
JEZILE, Spokuhle  
KABALE, Binaka Ntsika  
KETWA, Olwethu  
KHONZA, Siphosihle  
KIVIET, Buhle  
LANGEVELD, Jade  
LEFATLE, Tshepang  
LEFUME, Somila Mhlali

LEKHULENI, Belle Siphesihle Hloniphile  
LONGMORE, Caelan Vincenza  
LONI, Hlomla  
LUBEDU, Anelitha  
LUTHI, Ndiphe  
MAART, Craig  
MACAKELA, Somila  
MADIDE, Thokozani Hloniphani  
MADIKIZELA, Phila  
MADLOPHA, Sinqobile Precious  
MAGENGELELE, Sipelele Lwandile  
MAGIDIGIDI, Lihle Thorn  
MAGWEBU, Mbasa  
MAHLENTLE, Sivuyile  
MAKLEIN, Creswell Luciano  
MALKINSON, Joshua Max  
MALULEKE, Precious Maria  
MALUNGA, Buhle  
MANGCU, Simamkele  
MANGELE, Somila  
MANI, Lufuno  
MANJANJA, Sisanda  
MANXIWA, Ntokozo  
MAPHINI, Nalitha  
MAPHOSA, Elvis Vuyo  
MAQAMBAYI, Nikitha  
MAQOMA, Sanele Silindokuhle  
MATANDA, Asabonga  
MATTHEUS, Bianca  
MATU, Ezile  
MAYEKISO, Linda  
MBEWANA, Yolanda  
MCINGANA, Sibusiso  
MDZOYI, Lise  
MEHLO, Manelisi  
MEVANA, Zusiphe Aubrey  
MFECANE, Sivuyile Siyanda  
MFIKANYE, Asenathi  
MHAGA, Chuma  
MIMI, Thulani  
MKABA, Ntombekhaya  
MKHOMBO, Thembani  
MNGOMEZULU, S'Thembiso  
MNTUYEDWA, Lukhola  
MNYAMANI, Bukho  
MOGASHOA, Segodi Johannes  
MOHULATSI, Thato  
MOKGOMONG, Mathapelo  
MOLOISI, Dimpho Gratitude  
MOODALEY, Brandon Kevin  
MOYIKWA, Sibusiso  
MPUTAMPUTA, Simamkele  
MTSHUBUNGU, Thokozani  
MUNONDE, Dakalo Ernest  
MWANGONDA, Mwiza Warren  
MZINZI, Mandisa  
NDEVU, Nolufefe  
NDLEBE, Mandiluve Sweetness  
NEWTON, Luke Josh  
NGALO, Amanda  
NGECE, Xola Elton  
NJISANE, Sibabalo  
NKQUBEZELO, Kumnandi

NKUNA, Martin Tsundzukani  
 NQIMFA, Xolisa  
 NTLANGANISO, Afika  
 NTLEKI, Amzile  
 NTSHONGWANA, Okuhle  
 NTSUNGUZI, Songezo  
 NZENA, Aviwe  
 NZWANA, Asive  
 PEARCE, Jayden James  
 PETER, Zukhanye  
 PIKOLI, Buhle  
 QAMZA, Unathi  
 QHOBOSHIYANE, Bafana  
 RAFFIE, Raul Ricardo  
 RAMASHAPA, Neo Molatelo  
 REDLINGHUYS, Anastacia  
 SAFFADIEN, Yaaseen  
 SEROKE, Malehoa  
 SHEMI, Elvin  
 SILO, Simbongile  
 SIMBELA, Mfanelo  
 SIMONS, Bradley Luciano Nataniël  
 SOBETWA, Sixolile  
 SOKHULU, Thandeka Pearlness  
 SOMGIDI, Xolani  
 TANA, Siphokuhle  
 TANANA, Lutholwethu  
 TESNAR, Ruben  
 TEUBES, Devon Thomas  
 TEYISE, Siphumelele  
 THABETHE, Tebogo Myengwa Jeremaya  
 THWALA, Nontobeko Emmarentia  
 TONTSI, Sixolise Yonwaba Sinaye  
 TSHOMA, Thato Erick  
 VUMAZONKE, Babalwa  
 WARD, Matthew Ryan  
 WILSON, Reeve Jesse  
 XHEGO, Unam  
 ZONDI, Thabo  
 ZULU, Siyanda Mthokozisi Mholi

#### **CUM LAUDE**

BUKANI, Anelisa  
 FLEMING, Alexis Jean  
 JACOBS, Davron Dyllon  
 LAFFORD, Caleb John  
 LUKOJI, Mariam Tshabutula  
 MABOVU, Odirile Michael  
 MALEKA, Ernest Motlokoe  
 MATHIBELA, Nhlanhla Millicentia Popo  
 MKUPA, Uviwe  
 MOSENA, Koketso  
 MPATI, Nomphele Khanyisa  
 SHOBA, Nontobeko Owami  
 SOBETWA, Khanyo  
 STRESO, Biandré  
 WECU, Anathi

#### **DIPLOMA: INFORMATION TECHNOLOGY (SUPPORT SERVICES)**

APRIL, Hlangoluhle  
 BACELA, Lungelo  
 BAKUBAKU, Odwa  
 BAVUMA, Zintle Ntandokazi  
 BURRELL, Cailin Zenith  
 CELE, Thabile Purity  
 CEZA, Libo Mntuwabo  
 DE VASCONCELLOS, Ervine Ernest  
 DILIMA, Siphelele  
 DUNJANA, Thulani  
 FIHLANI, Zimkhitha  
 GALAWE, Zizipho Penny  
 GENUKA, Sinekhaya  
 GODLOZA, Lizeka  
 GOMOMO, Olwethu  
 GWATIRERA, Brian  
 GXALABANA, Zizipho  
 HANS, Thamsanqa  
 HEDANE, Nomfundo Penelope  
 HLABANA, Ayandiswa  
 KOZA, Lithemba  
 LOKANI, Luphiwe  
 LUDUDE, Dumile  
 MADLWABINGA, Nosiphiwo  
 MAGADLA, Athini Siyakubonga  
 MAJOLA, Siboniso Nelson  
 MALI, Abonga  
 MALIA, Mookgo Joyce  
 MANKANKU, Avela  
 MANTYI, Siseko  
 MARAIS, Baldwin Paul  
 MASHEGO, Tumelo Tollarence  
 MATHEBULA, Philani Miyelani  
 MATSHAYA, Nangamso  
 MBADLA, Esethu  
 MBATSHA, Siviwe Khanya  
 MBIYO, Bomikazi  
 MDODANA, Zukiso  
 MDUNYELWA, Undilile Aphelele  
 MGQUBA, Ongeziwe  
 MKHIZE, Lungisane  
 MLONZI, Veliswa Petronella  
 MNGOMA, Siyabukwa  
 MPINI, Esethu  
 MTHETHO, Mfundo  
 MTHI, Aluncedo  
 MTWA, Sihle  
 MZWALI, Lihle  
 NDOVELA, Nolizwi  
 NDOVELA, Skhulile  
 NGCANGCA, Chwayitho Chulumanco  
 NGCUKANA, Sanela  
 NGCWEMBE, Azile  
 NGODWANA, Siyathemba  
 NGWANA, Anathi  
 NJIKELANA, Lutholwamazizi Pearl  
 NKUSHUBANA, Philasande Lwando  
 NOGANDA, Lolwethu  
 NONXUBA, Ayabonga  
 NOTANA, Honey

NTSETA, Nosibusiso  
PAKELA, Fatima  
PENDUKA, Bonakele  
PRINS, Kimberley Marilyn  
RAGUNATH, Caleb Joshua  
RICHARDS, Oyama  
SIGWADI, Viwe  
SIMAMAME, Olwethu  
SIWA, Amanda  
SKOSANA, Zukhanyise Audrey  
SOFEYA, Simphiwe  
SOLOMON, Ennocent Simamkele  
SOMDAKA, Lumko  
SUNDANI, Khuthadzo  
TETO, Nosango  
THWALA, Siyababula Nkululeko  
XAMNTWANA, Asaphelele  
YIBE, Sinethemba  
ZAAL, Kadin  
ZAWUKA, Ubenathi Xola

### **CUM LAUDE**

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MANI, Ayabongwa  
MOSEPELE, Rapelang Advice  
MZANYWA, Sinovuyo

### **ADVANCED DIPLOMA IN INFORMATION TECHNOLOGY**

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CHUMBE, Noluthando Sarah  
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FATMAN, Lusama  
GOEDA, Joshua  
GONTSHI, Luchulumanco  
GOODMAN, Juan  
GWEVA, Nombulelo  
HARRISON, Vuyokazi Precius  
HLATI, Luvo Bavumile  
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JAFTA, Zezolisa  
JIKIJELA, Ayola  
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JONAS, Ongezwa Asekho  
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MAKANA, Anelisa  
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MAVUSO, Somila  
MBATA, Lubabalo  
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MDLANKOMO, Ayabonga  
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MGBUZA, Yonela  
MGWABA, Sandile Ntethelelo  
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MHLAMBISO, Rutendo  
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MOKGWATHI, Mokoboro Kingsly  
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MPAKATI, Hlomla  
MPANTSHA, Okuhle  
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NDIMBA, Palesa Onika  
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NEVHUHULWI, Tshifhiwa  
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NGCAI, Ziziphozenkosi Mpumelelo  
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PHILANDER, Damien Hurbet  
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POYANA, Kwezi  
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SHONGWE, Nolungelo Prosperity  
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SITHOLE, Ndabenhle  
SITOTO, Thandisizwe  
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SLABBERT, Breyten-Godfried  
SLATE, Siphosoxolo  
SMUTS, Matthew Bertus

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TOYI, Nande  
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VAN WYK, Christo  
WEST, Seth Daniel  
XOTYENI, Alwaba

**CUM LAUDE**

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GRUNDLINGH, Alderigh  
ISAACS, Waleed  
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KRIEL, Matthew Gareth  
MABANDLA, Hlalanathi  
MAKHALIMA, Siyabonga  
METELERKAMP, Tessa Jane  
MNCUBE, Siphamandla Ted  
NTULI, Lungelo Hugh  
NTULI, Zipho Siyabonga  
RIKHOTSO, Elite Murhangeri  
ROSSOUW, Keenan  
SCHUTTE, Tian  
SEYISI, Phelelani  
SWEM, Jacques Gerald

THABANTSO, Nthabiseng Rachel  
TUNYISWA, Ongezwa  
VAN ANTWERP, Travis  
VENTER, Christian  
VOYI, Luyanda  
WELLS, Matthew

**BACHELOR OF INFORMATION TECHNOLOGY**

GOVENDER, Seshiran  
GUSHA, Mayidunyiswe Praise  
KHOVANI, Ndzhaka  
MAGWAZA, Ntokozo  
MAKWELO, Aphiwe  
MAQUBELA, Ngazibini  
MOHALE, Lenkoane David  
MRULEKANA, Okuhle  
MTENGWANA, Sikhanyiso  
NKUNA, Ike Nkateko  
PALMER, Joshua Ross  
SONAMZI, Ayanda-Junior  
TUCKER, Josh  
VILAKAZI, Qiniso

**CUM LAUDE**

CARTER, Dean  
FUTCHER, Tayla Courtney  
MPE, Palesa  
MULLER, Matthew Barry  
PATSALOS, Constandino Nicholas  
SHELVER, Timothy Stuart



## MASTER OF INFORMATION TECHNOLOGY (RESEARCH)

DE JAGER, Michael Johan - **Cum Laude**

Title of dissertation:

*AN INVESTIGATION INTO THE CYBERSECURITY SKILLS GAP IN SOUTH AFRICA*

Supervisor: Prof LA Fatcher  
Co-supervisor: Prof K-L Thomson

---

KRUGER, Madri - **Cum Laude**

Title of dissertation:

*TOWARDS A CYBERSECURITY SKILLS FRAMEWORK FOR SOUTH AFRICA*

Supervisor: Prof LA Fatcher  
Co-supervisor: Prof K-L Thomson

---

MANAKAZA, Mpile

Title of dissertation:

*A MODEL FOR INTEGRATING USER EXPERIENCE INTO AGILE SOFTWARE DEVELOPMENT*

Supervisor: Prof D van Greunen

---

MDINISO, Thandokazi

Title of dissertation:

*GAMIFICATION RECOMMENDATIONS TO ADDRESS THE USER EXPERIENCE OF THE SECURITY EDUCATION AND TRAINING COURSE AT THE NELSON MANDELA UNIVERSITY*

Supervisor: Prof LA Fatcher

---

MXHEGO, Zukile Bright

Title of dissertation:

*END-USER REQUIREMENTS OF AN ASSISTIVE TECHNOLOGY FOR PROFOUNDLY DEAF PARENTS WITH INFANTS*

Supervisor: Prof D Pottas

---

VAN WYK, Norman

Title of dissertation:

*A FRAMEWORK FOR THE DESIGN OF ONLINE COURSE INDUCTION COMPONENTS*

Supervisor: Prof J van Niekerk  
Co-supervisor: Dr S Petratos



**MASTER OF PHILOSOPHY IN INFORMATION TECHNOLOGY GOVERNANCE (COURSEWORK)**

MALEPENG, Pheah Harold

Title of treatise:

*A PROTECTION OF PERSONAL INFORMATION ACT COMPLIANCE FRAMEWORK FOR THE TSHWANE's FRESH PRODUCE MARKET*

Supervisor: Prof M Gerber  
Co-supervisor: Mr TH Speckman

---

NONGODLWANA, Nomvuyo Queeneth

Title of treatise:

*A STRATEGY FOR THE REVIEW AND MAINTENANCE OF THE STATE INFORMATION TECHNOLOGY AGENCY (SITA) INFORMATION SECURITY POLICIES*

Supervisor: Dr R Reid  
Co-supervisor: Prof K-L Thomson

---

## DOCTOR OF PHILOSOPHY IN INFORMATION TECHNOLOGY

TEKENI, Luzuko

Title of thesis:

*MODELLING THE FACTORS THAT INFLUENCE HOME USERS TO PROTECT THEIR HOME NETWORKING DEVICES*

Supervisor: Prof RA Botha

---

VAN DER WESTHUIZEN, Eldridge Werner

Title of thesis:

*A FRAMEWORK TO ASSESS APOMEDIATION IN SOCIAL NETWORKING SITES: A CASE OF INDIVIDUALS WITH AUTOIMMUNE DISEASE*

Supervisor: Prof D Pottas

Co-supervisor: Dr S Petratos

---

VON SCHOULTZ, Dean John

Title of thesis:

*TOWARDS PERSONAL INFORMATICS FOR ACADEMIC INTERNET SELF-REGULATORY EFFICACY-THE PAISE FRAMEWORK*

Supervisor: Prof K-L Thomson

Co-supervisor: Prof J van Niekerk

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# THE DEGREE OF DOCTOR OF PHILOSOPHY (INFORMATION TECHNOLOGY)

**LUZUKO TEKANI**

**Previous qualifications:**

2013	NDip (Information Technology) ( <i>Cum Laude</i> )	Nelson Mandela Metropolitan University
2014	BTech (Information Technology) ( <i>Cum Laude</i> )	Nelson Mandela Metropolitan University
2017	Master of Information Technology ( <i>Cum Laude</i> )	Nelson Mandela University



**Thesis:**

*MODELLING THE FACTORS THAT MOTIVATE HOME USERS TO PROTECT THEIR HOME NETWORKING DEVICES*

This research modelled the factors that motivate home users to protect their home networking devices using Protection Motivation Theory as the foundation framework. Structural equation modelling was used to test the research model resulting in a final model comprising 12 constructs with 12 confirmed relations. Data was collected from 392 South African home fibre users. In addition to the theoretical contribution of the formal model, the results allow for the creation of security awareness interventions that are specifically tailored to South African fibre users.

Supervisor: Prof RA Botha

# THE DEGREE OF DOCTOR OF PHILOSOPHY (INFORMATION TECHNOLOGY)

**ELDRIDGE WERNER VAN DER WESTHUIZEN**

**Previous qualifications:**

1998 National Diploma: Information Technology  
2004 BTech: Information Technology  
2011 MTech: Information Technology

Port Elizabeth Technikon  
Port Elizabeth Technikon  
Nelson Mandela Metropolitan University



**Thesis:**

*A FRAMEWORK TO ASSESS APOMEDIATION IN SOCIAL NETWORKING SITES: A CASE OF INDIVIDUALS WITH AUTOIMMUNE DISEASE*

Patients increasingly rely on online information to gain a better understanding of their health. Hence, it becomes important to provide patients with the necessary tools to find the information they need. The concept of apomediation, a central concept in this research, suggests the removal of gatekeepers to information and the empowerment of patients to work towards better health outcomes. Using design science, this research developed a framework to assess to what extent social networking sites, like Facebook, facilitate apomediation, specifically, for individuals with autoimmune disease. The study makes a significant contribution to digital health in support of patient autonomy.

Supervisor: Prof D Pottas  
Co-supervisor: Dr S Petratos

# THE DEGREE OF DOCTOR OF PHILOSOPHY (INFORMATION TECHNOLOGY)

**DEAN JOHN VON SCHOULTZ**

**Previous qualifications:**

2012	National Diploma (Information Technology)	Nelson Mandela Metropolitan University
2013	Bachelor of Technology (Information Technology)	Nelson Mandela Metropolitan University
2015	Master of Technology (Information Technology)	Nelson Mandela Metropolitan University



**Thesis:**

*TOWARDS PERSONAL INFORMATICS FOR  
ACADEMIC INTERNET SELF-REGULATORY  
EFFICACY–THE PAISE FRAMEWORK*

The purpose of this doctoral study was to develop a framework that provides higher education institutions with guidance on how to design systems that can assist students to self-regulate their internet use - specifically, in the interest of the preservation of academic success and well-being. The Personal Informatics for Academic Internet Self-Regulatory Efficacy (PAISE) framework leverages behavioural theory previously used to explain 'internet addiction' and cognitive behavioural techniques in the form of personal informatics. The framework proposes that objective views of a student's internet behaviour are presented for reflection, so that behaviour can be adjusted accordingly. This provides a means to prevent compulsive use of the internet by facilitating reflection on internet behaviour. The PAISE framework addresses a profound and contemporary problem that is likely to persist.

Supervisor: Prof K-L Thomson  
Co-supervisor: Prof JF van Niekerk



# Congratulatory Message from the Alumni Association

## Congratulations on your academic achievement!

Welcome to the Nelson Mandela University family. You are now a Nelson Mandela University alumna/us.

We would like to take this opportunity to introduce you to the Nelson Mandela University Alumni Association.

Once you have obtained your Nelson Mandela University certificate, diploma or degree you become an alumna/ us of the University and a member of the Nelson Mandela University Alumni Association. The Association is approved by the University Council as a structure of the University. The Association supports and enhances the realisation of the University's vision and mission through maintaining and expanding positive relationships with its members.

## The Role of the Alumni Association Office

The Alumni Relations Office (ARO) is responsible for alumni engagement and the day-to-day management and running of the Alumni Association, the University Shop and all matters related to alumni as a stakeholder group. Primarily, the ARO builds relationships and maintain strong links with graduates, parents, friends and supporters of the University through events, newsletters, social media, the alumni and friends magazine Thetha and services.

## The Role of Nelson Mandela University graduate

We encourage you to attend the alumni engagement events, be an active alumni ambassador, support your alma mater in a variety of ways including sharing news, expertise, skills, and contributions in cash and kind. For more information regarding University projects you can support please visit the University giving page <https://mandela.ac.za/giving-to-mandela-university>

## Mandela Alumni Connect – the online alumni networking platform

Join the Mandela Alumni Connect community - to stay in touch with fellow alumni, get informed about events, career guidance, mentorship initiatives and expand your network.

Register on <https://alumni.connect.mandela.ac.za/> Visit our website and follow or connect to our social media channels for more information regarding our alumni digital networking platform.

At any given time, when you happen to be on Campus, we welcome your visit to the Alumni Relations Centre on North Campus in Gqeberha (former Port Elizabeth).

More info: T +27 41 504 3935 E [alumni@mandela.ac.za](mailto:alumni@mandela.ac.za)

Join us: [Facebook](#) Nelson Mandela University Alumni [Instagram](#) Nelson Mandela University Alumni

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# NATIONAL ANTHEM

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Nkosi Sikelel'i-Afrika,  
Maluphakanyisw'uphondo lwayo,  
Yizwa imithandazo yethu,  
Nkosi Sikelela, thina lusapho lwayo.

Morena boloka setjhaba sa heso,  
O fedise dintwa le matshwenyeho.  
O se boloke, O se boloke setjhaba sa heso,  
Setjhaba sa South Africa.

South Africa.

Uit die blou van onse hemel,  
Uit die diepte van ons see.  
Oor ons ewige gebergtes  
Waar die kranse antwoord gee.

Sounds the call to come together,  
And united we shall stand.  
Let us live and strive for freedom,  
In South Africa our land.







# Change the World

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