*Beste Matie-graduandus*

*Hartlik geluk met die kwalifikasie wat jy vandag hier verwerf. Jy is ’n sprekende voorbeeld van die uitnemendheid waarna die Universiteit Stellenbosch (US) streef. Mooi so, ons is trots op jou!*

*Dit was vir ons ’n voorreg om jou as student hier te hê. Jy verwerf baie meer as net ’n graad of ’n diploma, want jy het op vele maniere ontwikkel, en ook bygedra tot die vorming van ander – op die unieke Matie-manier.*

*Jou kwalifikasie vergelyk goed met die beste ter wêreld. Die afgelope jaar het Stellenbosch weer sy posisie op die QS wêreldranglys van universiteite verbeter. Jou alma mater tel nou onder die top 2% hoëronderwysinstellings internasionaal. Dit is die waarde van die ‘stukkie papier’ wat jy vandag ontvang.*

*Die US streef daarna om ’n inklusiewe, innoverende en toekomsgerigte instelling te wees: ’n plek van ontdekking en uitnemendheid waar sowel personeel as studente denkleiers is wat tot diens van alle belanghebbendes kennis bevorder. Ons vertrou dat jy ook wat jy hier geleer het, sal gebruik om ’n positiewe impak op die samelewing te maak.*

*Die US is jou akademiese tuiste. Bly asseblief ’n aktiewe lid van die Matiefamilie via die alumniwebblad, sosiale media en gereelde alumni-funksies. Stuur vir die alumnikantoor (alumni@sun. ac.za) jou nuwe kontakbesonderhede sodat jy uitnodigings, nuusbriewe en die US alumnitydskrif ‘Matieland’ kan ontvang. Studies dui daarop dat betrokkenheid by sterk alumni-netwerke vrugte afwerp sover dit professionele ontwikkeling betref.*

*Ons beste wense vergesel jou!*



*Prof Wim de Villiers*

*Rektor en Visekanselier*

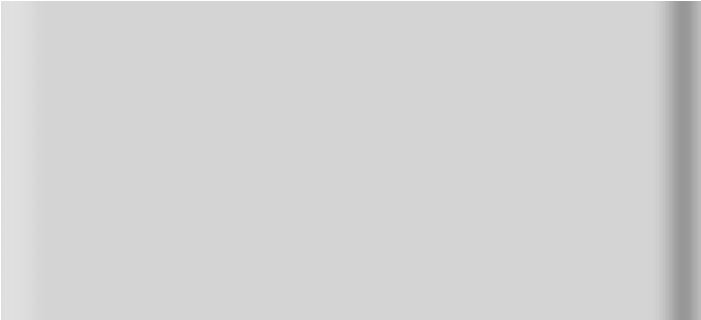
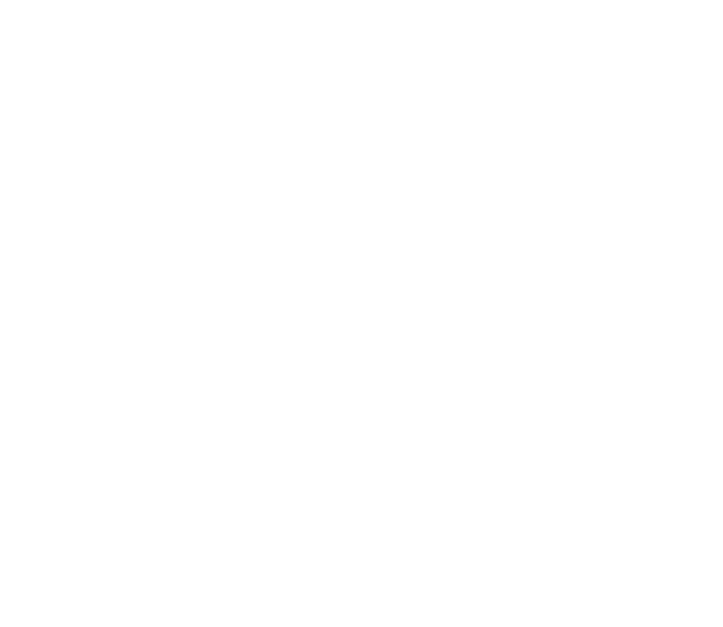
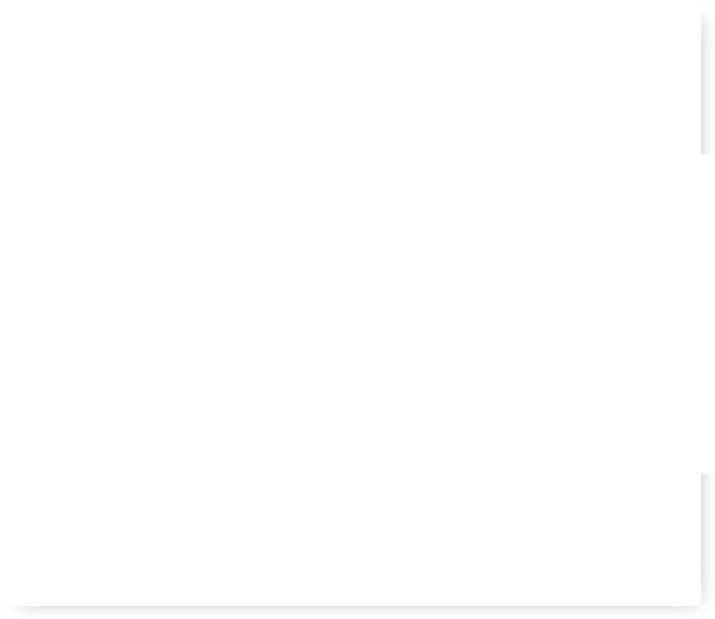
*Dear Matie Graduate*

*We warmly congratulate you on the qualification that you will be receiving here today. You exemplify all that Stellenbosch University (SU) strives for. Well done, we are proud of you!*

*It has been a privilege to have you as a student. Here you have gained far more than just a degree, having developed in many ways and also having contributed to the growth of others – in the unique Matie way.*

*Your qualification compares well with the best globally. The past year, Stellenbosch rose even further in the QS World University Rankings. Your alma mater now rates among the top 2% of higher education institutions internationally. That’s an indication of the value of the ‘piece of paper’ you will be receiving today.*

*We strive to be an inclusive, innovative and future-focused institution: a place of discovery and excellence where both staff and students are thought leaders in advancing knowledge in the service of all stakeholders. We trust that you will use what you have learnt here to make a positive impact on society.*



*SU remains your academic home. Please remain an active member of the Matie family via our alumni website, social media and regular alumni functions. Keep the alumni office (alumni@sun. ac.za) updated with your latest contact details so that you can receive invitations, newsletters and the SU alumni magazine, ‘Matieland’. Studies have shown that involvement in strong alumni networks pays dividends in terms of professional development.*

*Our best wishes accompany you!*



*Prof Wim de Villiers*

*Rector and Vice-Chancellor Mthwali-sidanga we-Matie othandekayo*

*Siyavuyisana nawe ngesingqini-mfundo oza kuyifumana apha namhlanje. Wena ungumzekelo wobalaselo ezamela wona le Yunivesithi yaseStellenbosch (SU). Wenze kakuhle, sinebhongo ngawe!*

*Besinenyhweba yokuba kunye nawe apha njengomfundi. Apha ufumene okuninzi okungaphaya kwesidanga, ekubeni ukhulile ngeendlela ezininzi kwaye ube negalelo ekuhlumeni kwabanye – ngendlela ekhethekileyo ye-Matie.*

*Isingqini-mfundo sakho sithelekiswa nezingcono ehlabathini jikelele. Kunyaka odlulileyo iStellenbosch ivuke nangaphezulu lee kwiZikali zeeYunivesithi zaseHlabathini (i-QS World University Ratings). I-alma mater yakho ngoku ibalelwa phakathi kwamaziko emfundo ephakamileyo aphezulu ngesi-2% kumazwe ngamazwe jikelele. Lowo ngumqondiso wexabiso leso ‘sijungqu sephepha’ oza kube usifumana namhlanje.*

*Sizamela ekubeni liziko eligxile kuqukwano neziko elibalasele kwikamva: indawo yophando nobalaselo apho bobabini abasebenzi nabafundi baziinkokheli ekuqhubeleni phambili ulwazi kwinkonzo yabo bonke abathathi-nxaxheba. Siyathemba ukuba uya kukusebenzisa oko ukufundileyo apha ukwenza ifuthe elakhayo ekuhlaleni.*

*I-SU iya kuhlala ilikhaya lakho kwezemfundo. Nceda uhlale ulilungu lethu elikhutheleyo losapho lwe-Matie ngokuqhagamshelana nathi ngewebhusayithi yethu ye-alumni, amajelo eencoko kwakunye nemicimbi ye-alumni, ebanjwa rhoqo. Hlala uyazisa iofisi ye-alumni (alumni@sun.ac.za) ngeenkcukacha zakho ukuze ukwazi ukufumana izimemo, iincwadi zeendaba kwakunye nemagazini yethu ye-alumni i-‘Matieland’. Uphando lubonisile ukuba ukuzibandakanya kakhulu kuthungelwano lwe-alumni kuhlawula izabelo ngokwemiqathango yophuhliso lobungcali.*

*Iminqweno yethu emihle mayihambe nawe.*



*Njing Wim de Villiers*

*INqununu noSekela-Tshansila*

INTERESSANTHEDE VAN DIE PLEGTIGHEDE

D

ie prosessie, almal in akademiese drag, word so opgestel dat die mees junior lede eerste instap, maar die mees senior lid (gewoonlik die Kanselier of Visekanselier) lei die prosessie uit ná die plegtigheid.

By middeleeuse universiteite was die *cappa clausa*, ’n moulose mantel wat bo-oor ’n toga gedra is, die eerste vorm van akademiese drag. In die 16de eeu het Oxford en Cambridge weggedoen met die mantel en het akademiese drag bestaan uit die toga met moue, ’n kap met ’n lang ‘stert’ om die skouers en ’n hooftooisel. Streng riglyne het die ontwerp en kleure van akademiese drag bepaal. Hierdie tradisie het dus uit Europa oorgespoel na Suid-Afrika. Om ook erkenning te gee aan die Universiteit Stellenbosch se rol as integrale deel van die Afrika-vasteland, is die ampsdraers se togas herontwerp en met eenvoudige Afrika-motiewe geborduur.

Die taal verryk ook hierdie seremonie met interessante terme. Graduandi (persone wat op die punt staan om ’n graad te ontvang) stap met ’n kap oor die arm na die verhoog. Sodra die graad toegeken is, word die kap om die skouers van die graduati (persone wat pas ’n graad ontvang het) gehang. U kan elke fakulteit se kandidate uitken aan die kleur van die eerste graad se kap. Die honneursgraad se kap het ’n dubbele streep, die magistergraad s’n is swart met ’n geel satynvoering en die doktorsgraad s’n is maroen met geel satyn binne. Kandidate wat doktorsgrade ontvang, dra rooi togas.

Nuwe alumni kan gerus die alumni se webwerf, www.matiesalumni.com, dophou vir interessante nuus en konvokasievergaderings.

INTERESTING CEREMONIAL DETAILS

T

he procession, wearing academic dress, is set up so that the junior members walk in first, although the most senior member (usually the Chancellor or Vice-Chancellor) leads the procession out after the ceremony.

The *cappa clausa*, a sleeveless cloak that was worn over a toga, was the first form of academic dress in mediaeval universities. Oxford and Cambridge got rid of the cloak in the 16th century and academic dress then consisted of a toga with sleeves, a hood with a long ‘tail’ around the shoulders and a headdress. Strict guidelines determined the design and colours of academic dress. This tradition therefore came to South Africa from Europe. So as to acknowledge the role played by Stellenbosch University as an integral part of the African continent, the togas of the office-bearers were redesigned and embroidered with simple African motifs.

The language used also enriches the ceremony with interesting terms. Graduands (people who are on the point of receiving a degree) walk to the stage with the hood draped over their arm. As soon as the degree has been conferred, the hood is draped around the shoulders of the graduates (people who have just been awarded a degree). The candidates of the various faculties can be recognised by the colour of the hood for the first degree. The hood for an honours degree has two stripes, while that for a master’s degree is black with a yellow satin lining. The hood for a doctorate is maroon with a yellow satin lining, while candidates receiving doctorates wear red togas.

New alumni should keep an eye on the alumni website, www.matiesalumni.com, for interesting news and information about convocation meetings.

INKCUKACHA ENOMDLA MALUNGA NEMISITHO

U

mkhosi wemithika, onxibe umthika wemfundo, wenziwe ngohlobo lokuba amalungu asematsha ahambe kuqala, nangona elona lungu liphezulu kakhulu (lidla ngokuba yiTshansila okanye okanye liSekela-Tshansila) likhokela umkhosi wemithika ukuphuma

emva komsitho.

I-*cappa clausa*, isambatho esingenamikhono esasinxitywa ngaphezu kwesinxibo somsitho (i-toga), sasiluhlobo lokuqala lesinxibo somthika wemfundo kwiiyunivesithi zamandulo. I-Oxford ne-Cambridge yahlukana neso sambatho kwinkulungwane ye-16 nomthika wemfundo owawunesinxibo esinemikhono, umxakatho ‘onesisila’ eside emagxeni nesinxibo sasentloko. Yimiyalelo engqongqo emiselwe uyilo nemibala yomthika wemfundo. Esi sithethe ngoko seza eMzantsi Afrika sisuka emaNtla. Ukuze sothulele umnqwazi iYunivesithi yaseStellenbosch ngendima eyidlalileyo njengenxenye egqibeleleyo yelizwekazi laseAfrika, izinxibo zomsitho (ii-toga) zamagosa olawulo zaphinda zayilwa ngokutsha zahonjiswa ngeemihombiso yesiAfrika.

Ulwimi olusetyeziswayo nalo luchumisa umsitho ngamagama enza umdla. Abathweswa izidanga baya eqongeni bethe bhije imixakatho ezingalweni zabo. Sakuba sinikeziwe isidanga, umxakatho uthiwa hatya emagxeni abo banikezwe izidanga. Abathweswa izidanga beefakhalthi ezahlukeneyo bangabonwa ngombala womxakatho kwisidanga sokuqala. Umxakatho wesidanga seeonazi unemigca emibini, ngelixa owesidanga semastazi umnyama unomaleko otyheli wesatini. Umxakatho wesidanga sobugqirha umaruni unomaleko otyheli wesatini, ngelixa abathweswa izidanga zobugqirha nabo benxiba izinxibo zomsitho ezibomvu.

Abo bangabathwali-zidanga abatsha bamelwe kukuqwalasela kwiwebhusayithi yabo babesakuba ngabathwali-zidanga (alumni), www.matiesalumni.com, ukufumana iindaba ezinika umdla kunye nenkcukacha emalunga neentlanganiso zekhonvokheyishini.

**KANSELIER**:

Dr JP Rupert, DCom hc (Stell), DCom hc (NMMU)

**REKTOR EN VISEKANSELIER:**

Prof WJS de Villiers, MMed (Int), FCP (SA), DPhil, MHCM

**VOORSITTER VAN DIE RAAD:**

Mnr GM Steyn, BA, LLB

**UITVOERENDE BEDRYFSHOOF:**

Prof L van Huyssteen, MScAgric, PhD (Agric)

**AANGEWESE UITVOERENDE BEDRYFSHOOF:**

Prof SA du Plessis, HonsBCom, MPhil, PhD

**VISEREKTOR (SOSIALE IMPAK, TRANSFORMASIE EN PERSONEEL):**



Prof NN Koopman, BA, DTh

**VISEREKTOR (LEER EN ONDERRIG):**

Prof A Schoonwinkel, PrIng, MIng, MBA, PhD

**VISEREKTOR (NAVORSING, INNOVASIE EN NAGRAADSE STUDIES):**

Prof TE Cloete, MSc, DSc

**VISEREKTOR (STRATEGIE EN INTERNASIONALISERING):**

Prof HC Klopper, MCur, PhD, MBA, FAAN, ASSAf

**REGISTRATEUR:**  Dr P Retief, MA, DLitt

**DEKANE**:

|  |  |
| --- | --- |
| Agriwetenskappe | Prof D Brink, MScAgric, PhD |
| Ekonomiese en Bestuurswetenskappe | Prof DJ Malan, MA, DPhil (*Waarnemend*) |
| Geneeskunde en Gesondheidswetenskappe | Prof JA Volmink, BSc, MB, ChB, DKG (SA), MPH, DPhil, ASSAf |
| Ingenieurswese | Prof JL van Niekerk, MIng, PhD, EMBA |
| Krygskunde | Prof MS Tshehla, MSc, PhD |
| Lettere en Sosiale Wetenskappe | Prof AJ Leysens, MA, PhD (*Aangewese*) |
| Natuurwetenskappe | Prof L Warnich, MSc, PhD |
| Opvoedkunde | Prof Y Waghid, BA, HDE, MEd, DEd, PhD, DPhil (*Waarnemend*) |
| Regsgeleerdheid | Prof N Smit, BLC, LLM, LLD |
| Teologie | Prof RW Nel, BA, BTh, MTh, DTh |

|  |
| --- |
| MUSIEKBESONDERHEDE |

Universiteit Stellenbosch Simfoniese Blaasensemble onder leiding van Pamela Kierman

Universiteit Stellenbosch Afrika-musiekensemble onder leiding van Ncebakazi Mnukwana

Voorsanger: Wendy Joy Crowley

|  |
| --- |
| MUSICAL DETAILS |

Stellenbosch University Symphonic Wind Ensemble under the baton of Pamela Kierman

Stellenbosch University African Music Ensemble directed by

Ncebakazi Mnukwana

Precentor: Wendy Joy Crowley

|  |
| --- |
| IINKCUKACHA ZOMCULO |

I-University of Stellenbosch Symphonic Wind Ensemble ngaphantsi kwentonga yombhexeshi kaPamela Kierman



I-University of Stellenbosch African Music Ensemble ngaphantsi kwentonga yombhexeshi kaNcebakazi Mnukwana

Umhlabeli: nguWendy Joy Crowley

Die besonderhede van die name in hierdie graadprogram stem ooreen met die studenterekords wat by aansoek deur studente vooorsien is.

The particulars of the names in this graduation programme correspond with the student records as supplied by students at application.

Iinkcukacha zamagama akule nkqubo yothweso-zidanga ayahambelana neerekhodi zabafundi njengoko enikezwe ngabafundi ngexesha lokwenziwa kwesicelo.

Redakteur: Mattie van der Merwe

Taalversorging: Willemien Klinger, Pumlani Sibula

Ontwerp: Heloïse Davis

Drukwerk: SunMeDIA

DIPLOMA- EN GRADEPLEGTIGHEDE: DESEMBER 2017

DIPLOMA AND GRADUATION CEREMONIES: DECEMBER 2017

UMSITHO WOTHWESO-ZIDANGA NEEDIPLOMA: DISEMBA 2017

**Eerste Plegtigheid / First Ceremony / uMsitho Wokuqala ………………….....................................................………..7**

**2017.12.04, 17:30**

Fakulteit: Natuurwetenskappe

Faculty: Science

IFakhalthi: EyobuNzululwazi kwezobuGqi

**Tweede Plegtigheid / Second Ceremony / uMsitho Wesibini …………....................................................……………..18 2017.12.05, 10:00**

Fakulteit: Geneeskunde en Gesondheidswetenskappe

Faculty: Medicine and Health Sciences

IFakhalthi: EyezamaChiza neeNzululwazi kwezeMpilo

**Derde Plegtigheid / Third Ceremony / uMsitho Wesithathu …………..................................................……………….30**

**2017.12.05, 17:30**

Fakulteite: Opvoedkunde, Krygskunde

Faculties: Education, Military Science

IiFakhalthi: EyezeMfundo, eyobuNzululwazi kwezoMkhosi,

**Vierde Plegtigheid / Fourth Ceremony / uMsitho Wesine ………………..................................................……………..40 2017.12.06, 10:00**

Fakulteit: Ekonomiese en Bestuurswetenskappe (Groep A)

Faculty: Economic and Management Sciences (Group A)

IFakhalthi: EyeeNzululwazi kwezoQoqosho noLawulo (iQela A)

**Vyfde Plegtigheid / Fifth Ceremony / uMsitho Wesihlanu ……..…………………..................................................……54 2017.12.06, 17:30**

Fakulteite: Lettere en Sosiale Wetenskappe (Slegs die kwalifikasies in Drama, Musiek en Visuele Kunste),

Agriwetenskappe, Regsgeleerdheid

Faculties: Arts and Social Sciences (Only the qualifications in Drama, Music and Visual Arts), Agrisciences, Law

IiFakhalthi: EyeAthsi neeNzululwazi zobuNtlalontle (Kuphela kwizingqini-mfundo zeDrama, zoMculo nobuGcisa

obubonwayo), eyeeAgrisayensi, eyezoMthetho

**Sesde Plegtigheid / Sixth Ceremony / uMsitho Wesithandathu ..………....................................................……………66 2017.12.07, 10:00**

Fakulteit: Lettere en Sosiale Wetenskappe (Kwalifikasies in Drama, Musiek en Visuele Kunste uitgesluit)

Faculty: Arts and Social Sciences (Excluding qualifications in Drama, Music and Visual Arts)

IFakhalthi: EyeAthsi neeNzululwazi zobuNtlalontle (Ngaphandle kwezingqini-mfundo zeDrama,

zoMculo nobuGcisa obubonwayo)

**Sewende Plegtigheid / Seventh Ceremony / uMsitho Wesixhenxe ..…………………...............................................…81**

**2017.12.07, 17:30**

Fakulteite: Teologie, Ingenieurswese

Faculties: Theology, Engineering

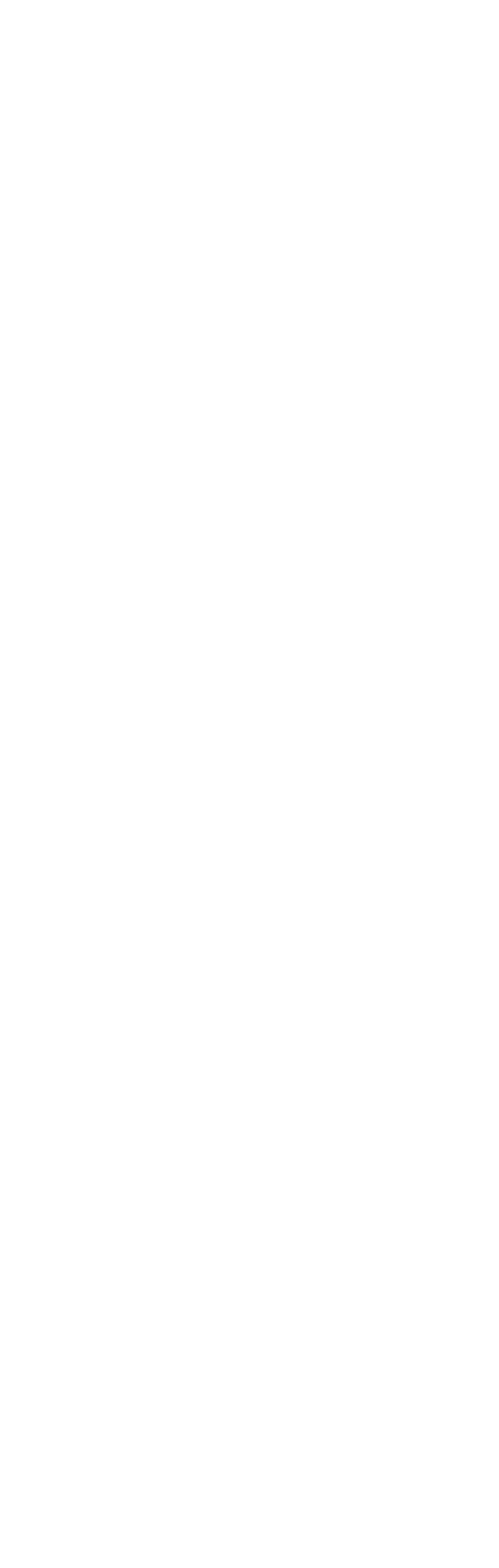
IiFakhalthi: EyezeNkolo, eyezobuNjineli

**Agtste Plegtigheid / Eighth Ceremon / uMsitho Wesibhozo..…………………..........................................................…92 2017.12.08, 10:00**

Fakulteit: Ekonomiese en Bestuurswetenskappe (Groep B) Eregrade

Faculty: Economic and Management Sciences (Group B) Honorary Degrees

IFakhalthi: EyeeNzululwazi kwezoQoqosho noLawulo (iQela B) Izidanga Zembeko



# PROGRAM VIR DIE EERSTE PLEGTIGHEID

## DIE FAKULTEIT NATUURWETENSKAPPE

*’n Vriendelike beroep word op alle aanwesiges gedoen om selfone af te skakel en nie die saal tydens die plegtigheid te verlaat nie om sodoende te verseker dat die verrigtinge sonder ontwrigting verloop.*

1. Akademiese prosessie kom die saal binne. U word versoek om te staan terwyl hulle die saal binnekom en te bly staan vir die sing van die Nasionale Lied.
2. Sing van die Nasionale Lied (kyk binneagterblad). Neem asseblief daarna u sitplekke in.
3. Konstituering deur die Visekanselier.
4. Verwelkoming deur die Visekanselier en dr N Cezula.
5. Voorstelling van kandidate wat kwalifikasies ontvang deur die dekaan van die fakulteit en toekenning van kwalifikasies deur die Visekanselier.
6. Voorstelling van kandidate vir Kanselierstoekennings en oorhandiging van die toekennings deur die Visekanselier.
7. Sluiting deur die Visekanselier.
8. Akademiese prosessie verlaat die verhoog.

*Die aanwesiges word versoek om te bly staan totdat die akademiese prosessie uitgestap het.*

# PROGRAMME FOR THE FIRST CEREMONY

## THE FACULTY OF SCIENCE

*To help ensure that the proceedings run their course without disruption, will all those present kindly keep their cell phones switched off, and refrain from leaving the hall, while the ceremony is in progress.*

1. Entrance of academic procession into the hall. You are requested to stand while it enters, and then to remain standing for the singing of the National Anthem.
2. Singing of the National Anthem (see inside back cover). Thereafter, please be seated.
3. Congregation formally constituted by the Vice-Chancellor.
4. Welcome by the Vice-Chancellor and Dr N Cezula.
5. Presentation of candidates receiving qualifications by the dean of the faculty and conferment of qualifications by the Vice-Chancellor.
6. Introduction of candidates for Chancellor’s Awards and presentation of the awards by the Vice-Chancellor.
7. Closing by the Vice-Chancellor.
8. The academic procession leaves the stage.

*Those present are requested to remain standing until the entire academic procession has left the hall.*

# ISICWANGCISO-NKQUBO SOMSITHO WOKUQALA

## IFAKHALTHI YOBUNZULULWAZI KWEZOBUGQI

*Ukuqinisekisa ukuba umsitho uqala ngaphandle kwesiphazamiso, bonke abakhoyo bayacelwa ukuba bacime iiselfowuni zabo, kwaye bangaphumi eholweni ngeli xesha umsitho uqhubekayo.*

1. Kungena umkhosi wemithika eholweni. Niyacelwa ukuba nime ngeenyawo xa ungena, nihlale nime njalo ukuzekuculwe uMhobe weSizwe.
2. Kuculwa uMhobe weSizwe (Jonga kumphakathi weqweqwe lokugqibela). Emva koko, ningahlala phantsi.
3. UMsitho uvulwa ngokusesikweni nguSekela-Tshansila.
4. Ulwamkelo lwenziwa nguSekela-Tshansila noGqr N Cezula.
5. Ukunikezelwa kwezingqini-mfundo kubafundi yintloko yefakhalthi (idin) echaphazelekayo nokuthweswa kwezingqini-mfundo nguSekela-Tshansila.
6. Ukwaziswa kwabagqatswa beBhaso likaTshansila nokunikezwa kwamabhaso nguSekela-Tshansila.
7. Ukuvalwa koMsitho nguSekela-Tshansila.
8. Umkhosi wemithika uyalishiya iqonga.

*Bonke abakhoyo bayacelwa ukuba beme ngeenyawo de umkhosi wemithika ube uphume wonke eholweni.*

**KANDIDATE WAT KWALIFIKASIES ONTVANG**

*Die grade, diplomas en sertifikate van kandidate wat nie by die gradeplegtigheid teenwoordig kan wees nie, word in hulle afwesigheid toegeken.*

**CANDIDATES RECEIVING QUALIFICATIONS**

*The degrees, diplomas and certificates of candidates who are unable to attend the graduation ceremony in person are awarded in absentia.*

**ABAFUNDI ABAFUMANA IZINGQINI-MFUNDO**

*Izidanga, iidiploma kunye nezatifiketi zabafundi abangakwazanga ukubakho ubuqu kumsitho wothweso-zidanga bathweswa bengekho benjalo.*

### DOKTORSGRADE DOCTORATES EZOBUGQIRHA

***Fakulteit Natuurwetenskappe***

***Faculty of Science***

***IFakhalthi yezobuNzululwazi kwezobuGqi***

**PhD**

BEZUIDENHOUT, Charl Xavier (Chemistry)

*Host-guest dynamics in copper-based metal-organic frameworks*

Metal organic framework (MOF) materials hold great promise for carbon capture and sequestration and detailed studies are required in order to exploit this behaviour. It is demonstrated that host-guest interactions in MOF materials are weak and mainly electrostatic in nature. Furthermore, complementary weak interactions between the host lattice and guest molecules result in a net effect that is more significant than a single strong interaction in the material. Additionally, the flexibility of some MOF materials can be greatly affected by the flexibility and coincident distortions of their constituents.

*Supervisor:* Prof LJ Barbour

*Co-supervisor:* Prof C Esterhuysen

BOTHA, Heila-Marié (Computer Science)

*Verifying Android applications using Java Pathfinder*

Testing mobile phone applications is made more difficult by the com- plex environment in which they operate. Modelling this environm ent accurately allows one to test interactions that are not possible to test with emulators or even manually. Model checking is a popular tech- nique for testing systems with complex interactions, but it has not been applied to the analysis of mobile applications. A model checker for Android applications was developed that uses realistic environment models, derived partly from observations gathered during actual exe- cutions. This new approach to testing Android applications was shown to obtain better coverage of the applications than existing techniques.

*Supervisor:* Prof W Visser

*Co-supervisor*: Prof B van der Merwe

CLOETE, Jezreel (Chemistry)

*The synthesis and characterisation of hydrophilic gold nanoparticles via a*

*DEN-MPC method and their evaluation as biphasic catalysts*

Despite the apparent inertness of bulk gold, gold nanoparticles are quite reactive in a number of processes including catalysis. A novel, facile method for the preparation of hydrophilic gold nanoparticles was established. Apart from the development of new strategies to produce well-defined, monodisperse and small nanoparticles, strong emphasis was placed on their application in catalytic reactions. The nanoparticles were evaluated as catalysts in the oxidation of alkenes, mainly styrene, under biphasic reaction conditions, with the nano-catalysts being in the aqueous phase and the substrate and products in the organic phase. This has the potential advantage of making the recycling of the catalyst easier.

*Supervisor:* Dr R Malgas-Enus

*Co-supervisor:* Prof S Mapolie

DIEDERICKS, Genevieve (Zoology)

*Determining the mechanisms driving the invasion success of the smallmouth bass* (Micropterus dolomieu, *Lacèpede 1802*)

Biological invasions represent a significant threat to the earth’s biota, including freshwater ecosystems. While general guidelines and unified frameworks are essential in furthering our understanding of biological invasions, exploring the genetic and phenotypic variation in a species and the influence of extrinsic factors during adaptation to novel environments could provide insight into a species’ invasion success. By combining morphometric and genotypic analyses, this study evaluates the potential mechanisms driving the invasive success of the small- mouth bass and demonstrates slight population structuring along three distinct riverine sections. The species thus can fully exploit genetic and phenotypic variability to invade non-native environments.

*Supervisor:* Prof C Hui

*Co-supervisor:* Prof S von der Heyden

DRIESCHER, Natasha (Physiological Sciences)

*Elucidating perturbations in the rat heart in response to sugar-sweetened beverage consumption*

The high global intake of sugar-sweetened beverages (SSB) is linked to increased risk of developing diabetes and heart diseases. As underlying mechanisms driving this process remain poorly defined, this study established a novel preclinical experimental system evaluating the effects of SSB consumption (-125 ml/day, 6 months) on heart function. Here SSB intake did not elicit significant cardiac functional and morphological changes. Of concern is that early SSB-mediated changes included: weight gain, impaired cardiac mitochondrial respiratory function, oxidative stress and activation of harmful metabolic pathways. Thus regular SSB consumption triggers detrimental changes that may in the longer term result in onset of cardio-metabolic diseases.

*Supervisor:* Prof MF Essop

DURANT, Kevin (Mathematics)

*Centrality in random trees*

There are numerous ways of measuring how “central” a node of a network is. Two of the most fundamental measures: betweenness centrality and the concept of a centroid are the focus of this study. Betweenness centrality captures how often a node lies on a shortest path, while a centroid minimises the average distance to other nodes. Using a blend of combinatorial and analytic tools, the candidate obtained very precise results on the distributions of the centrality of root nodes, average and maximum centrality, and the location of centroid nodes were obtained for different types of random trees. *Supervisor:* Prof S Wagner

ENGELBRECHT, Hanlie Madelein (Zoology)

*The radiation and biogeography of snakes across south-eastern Africa with respect to the evolution of the savanna biome*

The heterogeneous landscape of the African continent was preceded by a pan-African forest that has been transformed by concomitant contractions and expansions of this biome since the Oligocene epoch, to primarily savanna at present. The research presented demonstrates that habitat developments throughout the Late Oligocene influenced the radiation patterns of colubrid snake genera, *Crotaphopeltis* and *Philothamnus.* Genetic partitioning within wide-ranging species of both genera appears to be influenced by climatic regimes and associated vegetation differentiation across sub-Saharan Africa. Additionally, up to seven candidate species were recognised within *Philothamnus* and two within *Crotaphopeltis,* which provide a basis for future taxonomic revisions.

*External Supervisor:* Prof KA Tolley

*Co-supervisor*: Prof PLN Mouton

GOLDSWAIN, Toni (Physiological Sciences)

*An investigation into the potential cardio-protective effects of ghrelin in a rat model of chronic Doxorubicin-induced cardiotoxicity*

The success of the chemotherapeutic drug Doxorubicin (DOX) is limited by its cumulative dose dependent cardiotoxicity, which can lead to heart failure. Ghrelin, an appetite-inducing hormone, has previously been shown to exert anti-apoptotic, anti-oxidative, anti-inflammatory and anti- fibrotic effects, all of which play a vital role in the development of cardiotoxicity. This study investigated these protective effects in a chronic in vivo model of this disease state. Not only did ghrelin maintain body weight and food consumption in the presence of DOX, but oxidative stress, apoptosis and inflammation declined, while cardiovascular function improved. These results indicate that ghrelin may have the potential to improve the high morbidity and mortality rates of cancer survivors. *Supervisor:* Dr BJN Sishi

JACOBS, Leon (Chemistry)

*Synthesis of fused heterocyclic aromatic compounds as potential antiplasmodial agents*

A series of new heterocyclic compounds including indoles, benzoxales, benzothiophenes and benzimidazoles has been synthesised. The synthetic strategy involved the exploration of diverse chemical reac- tions and required the use of 2D NMR and single crystal x-ray crystallography to elucidate the structures. A small pilot study showed that computational methods can be used effectively to explain the chemical reactivity observed in amidation reactions of the inter- mediates. Most of final compounds show moderate activity against a chloroquine-sensitive strain of *Plasmodium falciparum,* the parasite which causes malaria. Overall compounds with a single heteroatom in the aromatic system proved more active. *Supervisor:* Dr MAL Blackie

*External Co-supervisor*: Dr SC Pelly

KITT, Shawn-Leslie (Geology)

*Geological setting and evolution of the Omitiomire copper deposit in the southern zone accretionary prism of the Damara Belt, Namibia*

The complex geometry, timing, pressure-temperature conditions and structural controls of hydrothermal fluid flow and regional tectonic setting of the Omitiomire copper deposit in the Damara Belt of central Namibia were characterised. The results highlight close temporal and genetic relationships between the Namibian deposits and the very large copper deposits of the Domes Region in the Lufilian arc of Zambia with direct implications for regional exploration.

*Supervisor:* Prof AFM Kisters *Co-supervisor*: Prof I Buick

LÖTTER, Daniel Petrus (Operational Research)

*Design of a* w*eapon assignment subsystem within a* g*round-based air defense environment*

The assignment and temporal scheduling of available weapon systems aimed at countering hostile aircraft in a ground-based air defence environment present considerable challenges to military operators. These counterdecisions are notoriously difficult because of their inherently combinatorial nature and the fact that multiple decision criteria typically have to be taken into account simultaneously. Because of the high speeds at which combat aircraft travel, these counter- decisions furthermore have to be taken in very short timeframes and under severely stressful conditions. A decision support framework for aiding these military operators by presenting them timeously with a number of high-quality trade-off solutions to this combined assignment and scheduling problem was designed. The framework is capable of recommending significantly superior solutions to those obtainable by hand.

*Supervisor:* Prof JH van Vuuren

MADUNA, Simo Njabulo (Genetics)

*Unravelling the mystery of the shark genus* Mustelus *in southern Africa using a multidisciplinary approach*

The species-rich shark genus *Mustelus* (smoothhounds) is one of the most bio-economically important groups of elasmobranchs (sharks and rays) in the world’s oceans. A multidisciplinary approach – molecular, morphology and histology – with different methods of analysis on various spatial scales was used in this study to resolve the macro- and micro-evolutionary dispersal patterns of these sharks. In addition, a fisheries forensics identification key guide was successfully developed and sperm storage was reported for the first time. This study provides the most comprehensive set of conservation genetic resources for smoothhound sharks to date that will help inform existing and ongoing management and conservation efforts for these sharks. *Supervisor:* Dr AE van der Merwe

MAHASA, Khaphetsi Joseph (Mathematics)

*Mathematical modelling of tumour-immune interactions and cancer therapy*

In this study the candidate proposed three novel mathematical models to study the behaviour of tumour cells following their interactions with key cytotoxic immune cells and oncolytic viruses. The aim was to unders tand how some tumours escape immune surveillance, how oncolytic virotherapy can be enhanced by allowing viruses to infect some normal cells and how the use of certain cell carriers can enhance oncolytic virotherapy. It was found that tumour escape from immune surveillance is inevitable. The findings suggest new treatment approaches to minimise tumour escape from the system detection and control for both immunotherapy and oncolytic virotherapy.

*External Supervisor:* Dr R Ouifiki

*Co-Supervisors*: Prof J Pulliam and Prof A Eladdadi

MASURET, Jacques (Mathematics)

*Generalised sequences and compactness notions in point-free topology*

Point-free topology studies topological phenomena using the algebraic order theoretic structure of the “frame” of open sets, omitting any reference to points. Sequences and their convergence are well studied in classical topology, but not in the point-free setting. Sequences and related sequential notions in frames were introduced. They establish the extent to which point-free sequences can characterise countable compactness properties. Furthermore, it introduces the point-free Dini and Strong Dini properties and employs these to characterise weaker compactness notions and those completely regular frames satisfying the Stone-Weierstrass property. *External Supervisor:* Prof DB Holgate

*Co-supervisors*: Dr B Bartlett and Prof M Sioen

MEBWE PACHONG, Stanard (Physics)

*Field theory of reversible and active network formation*

The filaments responsible for many structural and transport functions in a cell are often connected into networks. When molecular machines act as the linkers between filaments, the properties of these networks are influenced by the dynamics of the machines. A theoretical framework for modelling the elastic properties was developed. Dynamical properties for a specific network, the contractile ring that appears during cell division, were calculated both analytically and with computer simulations. These calculations show that the activity of the molecular machines is responsible mainly for the enhancement of the stability of the contractile ring rather than its contraction.

*Supervisor:* Prof KK Muller-Nedebock *Co-supervisor*: Dr L Boonzaaier

MINDA, Iulia (Physics)

*Charge and exciton dynamics in hybrid and organic-inorganic light harvesting thin films followed with femtosecond transient absorption spectroscopy*

Femtosecond transient absorption spectroscopy was used to follow the ultrafast photo-induced real time charge dynamics in light harvesting thin films and photovoltaic devices. Rate constants were assigned to various processes governing the charge generation and extraction in solar cells. Charge dynamics models were constructed, to investigate the fundamental photophysics determining the power con- vers ion efficiencies of some solar cells. The study focused on the charge transfer processes in indoline dye-sensitised electrodeposited ZnO solar cells, and the charge recombination dynamics in perovskite thin films. An excellent hybrid photoabsorber was identified for record efficiency perovskite solar cells, with reduced nonr adiative Auger recombination. *Supervisor:* Prof H Schwoerer

*Co-supervisor*: Prof EG Rohwer

NDIMBA, Roya Janeen (Plant Biotechnology)

*Biophysical characterisation of the mineral composition of seeds with varying genetic background including transgenic sorghum with reduced amounts of the storage protein kafirin*

Biofortified sorghum (produced via genetic engineering) and biofortified pearl millet grains (produced via conventional plant breeding) were examined in order to assess the effect that the bio- fortification process has had on the composition and other import ant quality characteristics of the grain. This study gives several new insights into the intended and perhaps nonintended differences that can result from the biofortification of cereal grains. This inform ation could be of some benefit to the continued effort by plant scientists to improve the nutritional quality of the important staple foods that sustain the world’s most poor and marginalised people. *Supervisor:* Prof JM Kossmann

*External Co-supervisor*: Prof CA Pineda-Vargas

OOSTHUIZEN, Joubert (Mathematics)

*Random walk hitting times in random trees*

The classical random walk is an important instance of a discrete stochastic process, with many applications in network science and other fields. The hitting time between two nodes is a natural para- meter of this process, describing how long it takes a random walk on average to get from one to the other. This study provides an in-depth analysis of this parameter and its generalisation for different classes of random trees. For both uniformly random trees and increasing trees, it finds both the order of magnitude and the precise limit distribution of the hitting time between randomly chosen nodes. *Supervisor:* Prof S Wagner

PETERS, Koebraa (Zoology)

*The role of yachts in the intra-regional transfer of alien fouling species among South African harbours*

This study undertook a comprehensive analysis of alien fouling species in South African harbours, assessed yachting as a potential pathway for marine alien species and elucidated potential drivers of observed fouling patterns. Novel outcomes from this study include the discovery of a new alien species and the development of a protocol for detecting such species on yachts. Results highlighted the prevalence of marine alien species on vessels and the role they can play in translocating nonindigenous biota. These outcomes were used to develop locally relevant guidelines to direct management of this emerging pathway.

*Supervisor:* Dr TB Robinson-Smythe *External Co-supervisor*: Dr KJ Sink

RAZANAJATOVO MISANANTENAINA, Valisoa (Mathematics)

*Properties of graph polynomials and related parameters*

Graphs can be used to model various things in everyday life, from social networks to molecules. There are many different types of polynomials and related parameters that can be associated with a graph, and the study contains a large variety of such parameters. Most of the candidate’s results are concerned with extremal problems, where the maximum or minimum is of interest. Her findings on socalled greedy trees generalise and unify a number of old results, but she also treats some entirely new parameters, specifically average sizes of independent sets and matchings in graphs, and a novel polynomial for trees and partially ordered sets. *Supervisor:* Prof S Wagner

*Co-supervisor:* Dr D Ralaivaosaona

SERGEANT, Catherine Anne (Biochemistry)

*The influence of* Sutherlandia frutescens *on adrenal steroid hormones and downstream receptor interactions*

*Sutherlandia frutescens* has traditionally been used to treat inflamma- tory-linked diseases. This investigation added scientific merit to the use of *S frutescens* extracts as anti-inflammatory treatments through repressing the transcription of inflammatory-linked genes. This study also showed for the first time that the extracts could support the treatment for hypertension since it reduced the production of aldosterone and antagonised aldosterone’s cellular effects via the mineralocorticoid receptor. Sutherlandioside B, a triterpenoid com- pound isolated from the extract, was shown to contribute to both anti-inflammatory and anti-hypertensive effects, while the contribution of gamma-aminobutyric acid was marginal.

*Supervisor:* Prof AC Swart

*Co-supervisor*: Dr D Africander

TALELI, Lebusetsa (Chemistry)

*Synthesis of polymer-bound kinase inhibitors as anti-tumour agents*

Kinases are essential enzymes in many biological processes. They are also crucial for tumour progression. For this reason, kinases form an important target for anti-tumour drugs. A library of quinazoline-based kinase inhibitors was synthesised and characterised. In order to over- come commonly observed side-effects due to non-specificity of kinase inhibitors, the compounds from this study were conjugated to poly- mers that modify the mechanism of cellular uptake and, as a con- sequence, increase specificity of the drug towards tumour cells. It was shown that the polymer-drug conjugates possess a larger activity against tumour cells than the equivalent reversible kinase inhibitors on their own. *Supervisor:* Prof L Klumperman

*Co-supervisor*: Prof WAL van Otterlo

TEER, Eman (Physiological Sciences)

*Immune activation in HIV-positive patients on combined anti-retroviral treatment (cART) as a high risk group for the development of cardiovascular diseases*

This study hypothesised that HIV triggers the immune system, leading to the development of heart diseases in the long term. Study participants were recruited from the Worcester Community Day Centre and data showed that HIV-positive patients exhibited enhanced immune activation together with increased coagulation (blood clotting). HIV-positive individuals also displayed unique changes in LDL/HDL subclasses that were linked to the higher immune response. Together these changes increase the risk for heart diseases in HIVpositive persons, even if on anti-retroviral treatment. Thus clinicians should monitor/control such processes (even at relatively early stages) to improve the overall health and well-being of HIV-positive patients. *Supervisor:* Prof MF Essop

*Co-supervisor*: Dr R Glashoff

TSOBGNI NYAWO, Pelerine (Physics)

*Driven nonequilibrium systems modelled with Markov processes*

The dynamics of physical systems that do not have a deterministic evolution was studied. Because of random forces or noise, such systems evolve randomly over time, much like the weather system or the stock market. In this context, an important question is: What is the dynamics of a random system when we see it evolving in a state that is far from its average or typical state? This question is answered by using the theory of Markov processes, which provides models of random systems, and by employing the theory of large deviations, which is used to calculate the probability of atypical states.

*Supervisor:* Prof H Touchette

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| --- |
| **ANDER KWALIFIKASIES OTHER QUALIFICATIONS EZINYE IZINGQINI-MFUNDO**  ***Fakulteit Natuurwetenskappe*** BARNES, Aaron  BAROS, Seanantha Sean  ***Faculty of Science*** BARREIROS SANTIAGO INOCENTES, Miguel  BECKER, Frederik Willem  ***IFakhalthi yezobuNzululwazi*** BENJAMIN, Aqilah  ***kwezobuGqi*** BENJAMIN, Fay-Yaadh  BESELAAR, Leandrie Corné  BESTBIER, Grethe Petro  **BACCALAUREUS IN DIE NATUURWETENSKAPPE (BSc)** BESTER, Kyle Thomas  **BACHELOR OF SCIENCE (BSc)** BHANA, Zoë Tyler  ABRAHAMS, Bilqees BIERMAN, Annika Leilanie  ABRAHAMS, Raawiyah BIERMANN, Charné  ABRAHAMS, Sharfa BLIGNAULT, Naldine  ADAMS, Tasneem BLOMERUS, Wessel  ALFORD, Justin Andre BOOYSEN, Vernon  ALLAN, Kerrin Ruth BORRAGEIRO, Christopher Matthew  ALLERS, Sarah-Lee Maria BOSCH, Christine Suzaan  ANNANDALE, Daniella Kimberly BOTHA, Willem Eduard  ANVER KALLA, Yumna BOTHMA, Karli  ATKINS, Blake Kenneth BOUGUENON, Ashleigh Jane  ATKINSON, Natasha Lynn BRANDT, Rieta-Marie  AUBIN, Alexandre Eric Jean BREDENKAMP, Meghan Jo-Ann  AYLWARD, Mikal BRIAR, Isabella Ciara  BADRODIEN, Imraan BRODIE, Lara Paige  BAILLIE-STEWART, Claire Cecile BROWN, Nicole Karen  BARNARD, Johannes Jacobus BRYNARD, Narisscia |

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DU TOIT, Chris Rossouw

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GRIEBENOW, Stian

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HEYWOOD, Cristina Angela

HOFFMAN, Mignon

HOLLOWAY, Michael Thomas

HOUSEHAM, Sean Erich Stuart

HUGO, Lizanne

HUNTER, Ethan Wade

HUSSELMANN, Deone Ashante

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JACKSON, Courtney Charné

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JULIES, Tashlin Shameeka Sharon

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KAKU, Zandile Patrick

KEARNS, Reesher Hope

KEEN, Arthur Albert Stephen

KELLOW-WEBB, Sarah Maggie

KINGWILL, Lindsay Anne

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KOTZE, Anke Nanette

KOUTER, Hendri Jordrick

KRITZINGER, Christine

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LOMBAARD, Philip

LOMBARD, Jolandi

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LORD, Michael George

LOTTRING, Michelle Justine

LOUBSER, Carli

LOUW, Anine

LOUW, David Andries

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MARAIS, Junré

MASELELA, Mashoto Lucy

MATSEBA, Tshegofatso

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MBANJWA, Sinothando

McEWAN, Dylan

McLEOD, Dylan James

MEINTJES, Vincent Mark

MEIRING, Fabian Marcello

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MOODLEY, Allegra

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MULDER, Leanré

NARASIMULU, Trandon

NAUDE, Helena

NDLOVU, Neliswa Bongiwe

NDLOVU, Yenziwe Lindokuhle

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NEL, Natalie

NEL, Tyron Ian

NELL, Eugene Hermanus Jacobus NGCOBO, Anelisiwe Pretty

NGCOBO, Sanelisiwe Sweetness

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GARDNER, Kathryn Lynda Debra (Biodiversiteit en Ekologie)

GERBER, De Pallier Heinrich (Rekenaarwetenskap)

GOULD, Khaya Timothy (Chemie)

GOVENDER, Preston (Toegepaste Wiskunde)

GRIEBENOW, Schalk (Rekenaarwetenskap)

GROBBELAAR, Bronwyn (Aardwetenskappe)

HAGEN, Bianca Louise (Biodiversiteit en Ekologie)

HANSEN, Oliver Kai (Biodiversiteit en Ekologie) HARILALL, Zita Michelé (Aardwetenskappe)

HATTINGH, Dylan Kenneth (Aardwetenskappe)

HEITMANN, Sinjon (Biochemie)

HENN, Hendré (Geo-informatika)

HILMER, Erin (Aardwetenskappe)

HOULISTON, Maxwell Graeme (Fisiologiese Wetenskappe)

HUGHES, Aidan Francis (Aardwetenskappe)

HUGHES, Katherine Alexandra (Genetika)

JACKSON, Tassin Kim (Genetika)

JACOBS, Melissa Robyn Annebelle (Wiskunde)

JENJE, Matthew Kennedy (Rekenaarwetenskap)

JORDAAN, Lydia (Chemie)

JULIES, Jamie Cristen (Genetika)

KAMANZI, Kankindi Conchita (Aardwetenskappe)

KAPDI, Khatija Noor (Biodiversiteit en Ekologie)

KENNEALY, Meghan (Toegepaste Wiskunde)

KERET, Rafael (Plantbiotegnologie)

KEUCK, Gerhard Paul (Rekenaarwetenskap)

KLEYNHANS, Jacob Lourens (Polimeerwetenskap)

KOEVORT, Matthew (Rekenaarwetenskap)

KUBYANA, Mmatlou Simeon (Wiskunde)

KUYLER, Gestél Christine (Polimeerwetenskap)

LABUSCHAGNE, Marcel (Aardwetenskappe)

LAING, Brandon Alexander (Wiskunde)

LAUBSCHER, Karen (Rekenaarwetenskap)

LE CORDEUR, Nathan Seth (Genetika)

LEACH, Paul Anthony (Aardwetenskappe)

LEAR, Daniel Alexander Kinton (Aardwetenskappe)

LEUKES, Kay-Lynn Amber-Mari (Biochemie) LINDE, Henry (Rekenaarwetenskap)

LINNERT, Heinrich (Toegepaste Wiskunde)

LOUW, Ané (Biochemie)

MAHOMED, Uzayr (Aardwetenskappe)

MARTIN, Keanu (Biodiversiteit en Ekologie)

MASOUDI, Yasamin (Biochemie)

MEIRING, Christina (Genetika)

MILNE, Matthew James (Rekenaarwetenskap)

MOUTON, Carene (Aardwetenskappe)

MUNNIK, Alicea (Mikrobiologie)

MYBURGH, Lauren (Biochemie)

NAICKER, Serena (Chemie)

NAIDOO, Caveshlin Yogandra (Biodiversiteit en Ekologie)

NAUDE, Chad Earl (Aardwetenskappe)

NCUBE, Mkhuphuli (Operasionele Navorsing)

NEKATAMBE, Carollyn Ruramai (Biochemie)

NEMATSWERANI, Ronewa (Chemie)

NEWTON, Emma Charlotte (Mikrobiologie)

NIEMAN, Willem Adriaan (Biodiversiteit en Ekologie)

NKABINDE, Nkanyiso Seneme (Chemie)

NKOSI, Nondumiso Belvia (Fisiologiese Wetenskappe)

O'DONNELL, Aiden Michael (Aardwetenskappe)

OLIVIER, Lukas van Zyl (Fisiologiese Wetenskappe)

OOSTHUIZEN, Petrus Erasmus (Rekenaarwetenskap)

PARSHOTAM, Rajiv (Genetika)

PAULSE, Lambert Owen (Polimeerwetenskap)

PIENAAR, Zahne (Aardwetenskappe)

POLLOCK, Courtney Jade (Aardwetenskappe)

POWELL, Chanté Melissa (Genetika)

PRESTELE, Marc Patrick (Aardwetenskappe)

PRETORIUS, Mauritz Hermon Otto (Polimeerwetenskap)

RADEMAN, Anna Elizabeth (Fisiologiese Wetenskappe)

RAMODIKE, Katlego Samantha (Aardwetenskappe)

REZELMAN, Gustav (Aardwetenskappe)

ROBERTSON, Tremaine Wentzel (Wiskunde) RUST, Dirk Jakobus (Operasionele Navorsing)

SHER, Lucien (Fisiologiese Wetenskappe)

SLABBERT, Johannes Diederick (Genetika)

SNAYER, Trégen Michael (Chemie)

SNYMAN, Zoe (Fisiologiese Wetenskappe)

SPEELMAN, Tammy Simone (Biochemie)

STANDER, Allison Anne (Genetika)

STANFORD, Jenni Lynn (Aardwetenskappe)

STEYN, Kim Henry (Chemie)

STEYTLER, Jan George (Aardwetenskappe)

STROEBEL, Graeme Brian (Aardwetenskappe)

SWART, Yolandi (Genetika)

THISTLETON, Caitlin (Genetika)

TSATSI, Moremogolo (Biochemie)

VAN DER MERWE, Charl Herman (Geo-informatika)

VAN EEDEN, Johann (Rekenaarwetenskap)

VAN HEERDEN, Ross Cameron (Rekenaarwetenskap)

VAN NIEKERK, Matthew Gary (Genetika)

VAN NIEKERK, William Robert (Genetika)

VAN STADEN, Wynand-Junior (Wiskunde) VAN WYK, Maria Elizabeth (Mikrobiologie)

VAN ZYL, Frederik Jacobus (Rekenaarwetenskap)

VAN ZYL, Hendrik Adriaan (Chemie)

VENTER, Ryan Warren (Rekenaarwetenskap)

VISAGIE, Aiden Weidner (Mikrobiologie)

VISAGIE, Nicole-Lynn (Chemie)

VOOGT, Cara (Mikrobiologie)

WALKER, Ruairi Alexander Wilson (Aardwetenskappe)

WEI, Xueting (Chemie)

WELLS, Carlyn (Aardwetenskappe)

WESSELS, Johanna Catharina (Biodiversiteit en Ekologie)

WEST, Dominique (Plantbiotegnologie)

WIESE, Zandri (Geo-informatika)

WILKINSON, Michael Norman (Geo-informatika)

WILLMOTT, Peter Spencer (Geo-informatika)

**HONNEURS-BACCALAUREUS IN DIE**

**NATUURWETENSKAPPE CUM LAUDE**

**(HonsBSc CUM LAUDE)**

**BACHELOR OF SCIENCE HONOURS CUM LAUDE**

**(BScHons CUM LAUDE)**

BADENHORST, Melinda (Biochemie)

BASSON, Adelle (Mikrobiologie)

BINGHAM, Jeremy Luke (Wiskunde)

BOSCH, Caylin (Mikrobiologie)

BRASSELL, Maxine (Plantbiotegnologie)

CAMERON, Scott Alexander (Fisika)

CRONJE, Anna Hendrina Petronella (Polimeerwetenskap)

DE VILLIERS, Michael (Rekenaarwetenskap)

DE WAAL, Greta Marie (Biochemie)

DUMBLETON, Bronwyn Catherine (Wiskundige Statistiek)

DUNN, Stephan Chalmers (Aardwetenskappe)

FERGUSON, Roy Angus (Wiskunde)

FERREIRA, Janca (Mikrobiologie)

FRICKEL, Emma (Genetika)

GREY, Kerry-Anne (Biodiversiteit en Ekologie)

HAARHOFF, Ruan (Rekenaarwetenskap)

HARTMANN, Wesley Laurence (Biodiversiteit en Ekologie)

HOFFMANN, Lelanie (Genetika)

JOSIAS, Shane (Toegepaste Wiskunde)

KENNEDY, Ryan James (Genetika)

KESNER, David (Biodiversiteit en Ekologie)

LANDMAN, Christiaan Hendricus (Rekenaarwetenskap)

LOCHNER, Adri (Rekenaarwetenskap)

MEYER, Francois Rolihlahla (Rekenaarwetenskap)

MYBURGH, Marthinus Wessel (Mikrobiologie)

NDIWENI, Zanobuhle (Fisiologiese Wetenskappe)

PAGE, Martin Justin (Fisiologiese Wetenskappe)

RANDERIA, Shehan (Fisiologiese Wetenskappe)

SAMIE, Shakier (Mikrobiologie)

STOKER, Joseph Murray (Rekenaarwetenskap)

TALJAARD, Johannes Hendrik (Rekenaarwetenskap)

THERON, Lauren Therese (Plantbiotegnologie)

THOMPSON, Peter Albert (Toegepaste Wiskunde)

THOMSON, Greig James Angus (Fisiologiese Wetenskappe)

VAN DEN HEEVER, Christiaan Frederik (Mikrobiologie)

VERMEULEN, Liezl Mari (Geo-informatika)

VORSTER, Nicole (Biodiversiteit en Ekologie)

VORSTER, Nina (Plantbiotegnologie)

WARRINGTON, Staci (Biodiversiteit en Ekologie)

**MAGISTER IN DIE NATUURWETENSKAPPE (MSc)**

**MASTER OF SCIENCE (MSc)**

ADAMS, Robyn (Dierkunde)

ATUHAIRE, Fatumah (Wiskunde)

BHANA, Ashlyn Darryn (Chemie)

BRIGG, Siobhan Ernan (Chemie) BURGER, Robert (Biochemie)

BUYS, Jaques (Chemie)

EBRAHIM, Zishan Cassiem (Dierkunde)

INDONGO, Jason Linekela (Geologie) KANGUEEHI, Kaukurauee (Geologie) KELBE, Lisa Suzanne (Biochemie)

KLOPPER, Kyle Brent (Mikrobiologie)

KUTU, Vuyokazi (Biochemie)

MAFAUNE, Asslly Tafara (Chemie)

MOHAMMED, Mozzamil Mohammed Abdalla (Wiskunde)

MOKOENA, Oratilwe Penwell (Wiskundige Wetenskap) MTHEMBU, Zanele Nokulunga (Plantbiotegnologie)

MUVIRIMI, Takudzwa Kevin (Biochemie)

NETSHIDZIVHE, Thendo (Geologie)

NETSHITHUTHUNI, Mulalo (Wiskundige Wetenskap)

NYAWO, Thembeka Amanda (Genetika)

OLOJEDE, Christianah Oyindamola (Wiskundige Statistiek)

OTIENO, Fanuel Omondi (Wiskundige Statistiek)

PRINCE, Erica (Plantbiotegnologie)

RAMOLOTJA, Kagiso Samuel (Wiskunde)

SMART, Ricardo Virgill (Mikrobiologie)

SOORAJLAL, Roxanne (Geologie)

SWANEPOEL, Craig Conradt (Plantbiotegnologie)

VAN DER VYVER, Ane Elizabeth (Genetika)

VAN WYK, Armand Jacobus (Mikrobiologie)

VIKTOR, Zanelle (Polimeerwetenskap)

WANG, Li (Fisika)

**MAGISTER IN DIE NATUURWETENSKAPPE**

**CUM LAUDE (MSc CUM LAUDE)**

**MASTER OF SCIENCE CUM LAUDE (MSc CUM LAUDE)**

BREEDS, Kelly (Genetika)

CARSTENS, Thalia (Chemie)

CASPER, Rozanne (Sielkunde)

DU PLESSIS, Casparus Jacobus (Plantkunde)

FICK, Carlien (Toegepaste Wiskunde)

GILBERTSON, Jason Kane (Geo-informatika)

GOLDSTONE, Daniel Graham (Sielkunde)

HAMMAN, Colette (Sielkunde)

JURISCH, Christopher David (Chemie)

LOMBARD, Jean (Chemie)

MOSTERT, Ilani (Genetika)

OOSTHUIZEN, Kristin (Genetika)

PAYNE, Nancy Elizabeth (Fisika)

RADEBE, Nonkululeko Winnie (Polimeerwetenskap)

SANON, Sogo Pierre Sanon (Wiskunde)

SWART, Cheruscha (Dierkunde)

UHRICH, Philipp Johann (Fisika)

VAN JAARSVELD, Jacoline (Toegepaste Wiskunde)

VAN NIEKERK, Francois Koch (Wiskunde)

VAN WYK, Lezan (Biochemie)

VAN ZYL, Phillippus Johannes (Wiskunde)

WALTERS, Schalk Willem (Geologie)

WHITE, Kerry-Anne (Chemie)

**MEDALJES** (Ter kennisname)

**MEDALS** (For your information)

**IIMBASA** (Ukwenzela ulwazi lwakho)

*Natuurwetenskappe*

*John Todd Morrison-medalje:* Mnr PJ Uhrich

*Meiring Naude-medalje:* Mnr SA Cameron

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| --- |
| **KANSELIERSTOEKENNINGS / CHANCELLOR’S AWARDS / AMABHASO KATSHANSILA**  *Departement Chemie en Polimeerwetenskap*  *Department of Chemistry and Polymer Science*  *ISebe leKhemistri nezeNzululwazi kwiPolima*  **PROF LJ BARBOUR**  rof Len Barbour van Chemie en Polimeerwetenskap wordhemistry and Polymer Science’s Prof Len Barbour is as ’n wêreldleier op die gebied van vastetoestand-regarded as a world leader in solid-state supramolecular  P  C |

supramolekulêre chemie beskou, en is een van slegs drie Agegradeerde chemici van die Nasionale Navorsingstigting (NNS). Hy het ’n wêreldklas-laboratorium aan die Universiteit Stellenbosch gevestig, waar hy ’n produktiewe navorsings- groep van 20 nagraadse studente en nadoktorale genote lei. Hulle publikasies is al meer as 12 000 keer aangehaal, en dra be duidend tot die Universiteit se wetenskaplike navorsings- uitset by. Hy is in 2006 as bekleër van die NNS en Departe- ment van Wetenskap en Tegnologie se navorsingsl eerstoel in nanogestruktureerde funksionele materiale aang ewys, welke aanstelling reeds twee keer hernu is. Hierdie gen oot van die *Royal Society of South Africa* en die *Royal Society of Chemistry* is al met verskeie toekennings vereer, waaronder die SASOL-prys vir innoveerder van die jaar en die goue medalje van die SuidAfrikaanse Chemiese Instituut.

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| --- |
| *Afdeling Akademiese Administrasie*  *Division of Academic Administration*  *ICandelo lezoLawulo kwezeMfundo*  **Mnr/MR CJ FOURIE** |

chemistry and is one of only three chemists with an A-rating from the National Research Foundation (NRF). He has established a world-class laboratory at Stellenbosch Univ er sity, where he leads a prolific research group of 20 post- graduate students and postdoctoral fellows. Their publications have been cited over 12 000 times and have made a substantial cont ri bution to the University’s scientific research output. In 2006, he was awarded the NRF and Dep art ment of Science and Techn ology’s chair in nanostruc tured functional materials, which appointment has been renewed twice. This fellow of the Royal Society of South Africa and the Royal Society of Chemistry has received numerous awards, including the SASOL Innovator of the Year award and the gold medal of the South African Chemical Institute.

I

n die loop van sy 35 jaar diens het Neels Fourie hom as kernbydraer tot leer- en onderrigondersteuning, stelsels- en prosesvernuwing en bekwame dienslewering aan die gemeen- skap van die Universiteit Stellenbosch onderskei. As adjunk- registrateur van studenteadministrasie was hy betrokke by die ontwikkeling van die Universiteit se eerste verlengde graad- programme, die stelsel vir interne en eksterne moderer ing, sowel as buigsame assessering. Boonop was hy ’n integrale rolspeler in die daarstelling van e-stelsels vir selfregist rasie, hertoelatingsaansoeke en die indiening van tesisse en proef- skrifte. Sodoende het hy nie net bygedra tot effektiewe kliën- tediens en die stroombelyning van prosesse nie, maar ook gehelp om die Universiteit ’n toekomsfikse 21ste-eeuse in- stelling te maak. Benewens hierdie innovasies deel Fourie sy kennis in verskeie streeks- en nasionale forums, en lewer by- draes tot verskillende nasionale beleide.

I

n the course of his 35 years’ service, Neels Fourie has distinguished himself as a key contributor to learning and teaching support, systems and process renewal as well as com- petent service delivery to the Stellenbosch University commu- nity. As deputy registrar of student administration, he was involved in developing the University’s first extended deg ree programmes, the system for internal and external moderation, as well as flexible assessment. He was also instrum ental in the introduction of e-systems for self-registration, applications for readmission and the submission of theses and dissertations. By doing so, he has not only contributed to efficient service delivery and streamlined processes, but has helped turn the University into a future-fit 21st-century institution. In addition to these innovations, Fourie shares his knowledge on regional and national forums, and provides input to various national policies.

# PROGRAM VIR DIE TWEEDE PLEGTIGHEID

## DIE FAKULTEIT GENEESKUNDE EN GESONDHEIDSWETENSKAPPE

*’n Vriendelike beroep word op alle aanwesiges gedoen om selfone af te skakel en nie die saal tydens die plegtigheid te verlaat nie om sodoende te verseker dat die verrigtinge sonder ontwrigting verloop.*

1. Akademiese prosessie kom die saal binne. U word versoek om te staan terwyl hulle die saal binnekom en te bly staan vir die sing van die Nasionale Lied.
2. Sing van die Nasionale Lied (kyk binneagterblad). Neem asseblief daarna u sitplekke in.
3. Konstituering deur die Visekanselier.
4. Verwelkoming deur die Visekanselier en prof M Dlali.
5. Voorstelling van kandidate wat kwalifikasies ontvang deur die dekaan van die fakulteit en toekenning van kwalifikasies deur die Visekanselier.
6. Voorstelling van die kandidaat vir die Kanselierstoekenning en oorhandiging van die toekenning deur die Visekanselier.
7. Sluiting deur die Visekanselier.
8. Akademiese prosessie verlaat die verhoog.

*Die aanwesiges word versoek om te bly staan totdat die akademiese prosessie uitgestap het.*

# PROGRAMME FOR THE SECOND CEREMONY

## THE FACULTY OF MEDICINE AND HEALTH SCIENCES

*To help ensure that the proceedings run their course without disruption, will all those present kindly keep their cell phones switched off, and refrain from leaving the hall, while the ceremony is in progress.*

1. Entrance of academic procession into the hall. You are requested to stand while it enters, and then to remainstanding for the singing of the National Anthem.
2. Singing of the National Anthem (see inside back cover). Thereafter, please be seated.
3. Congregation formally constituted by the Vice-Chancellor.
4. Welcome by the Vice-Chancellor and Prof M Dlali.
5. Presentation of candidates receiving qualifications by the dean of the faculty and conferment of qualifications by the Vice-Chancellor.
6. Introduction of candidate for Chancellor’s Award and presentation of the award by the Vice-Chancellor.
7. Closing by the Vice-Chancellor.
8. The academic procession leaves the stage.

*Those present are requested to remain standing until the entire academic procession has left the hall.*

# ISICWANGCISO-NKQUBO SOMSITHO WESIBINI

## IFAKHALTHI YEZAMACHIZA NEENZULULWAZI KWEZEMPILO

*Ukuqinisekisa ukuba umsitho uqala ngaphandle kwesiphazamiso, bonke abakhoyo bayacelwa ukuba bacime iiselfowuni zabo, kwaye bangaphumi eholweni ngeli xesha umsitho uqhubekayo.*

1. Kungena umkhosi wemithika eholweni. Niyacelwa ukuba nime ngeenyawo xa ungena, nihlale nime njalo ukuze kuculwe uMhobe weSizwe.
2. Kuculwa uMhobe weSizwe (Jonga kumphakathi weqweqwe lokugqibela). Emva koko, ningahlala phantsi.
3. UMsitho uvulwa ngokusesikweni nguSekela-Tshansila.
4. Ulwamkelo lwenziwa nguSekela-Tshansila noNjing M Dlali.
5. Ukunikezelwa kwezingqini-mfundo kubafundi yintloko yefakhalthi (idin) echaphazelekayo nokuthweswa kwezingqini-mfundo nguSekela-Tshansila.
6. Ukwaziswa kwabagqatswa beBhaso likaTshansila nokunikezwa kwamabhaso nguSekela-Tshansila.
7. Ukuvalwa koMsitho nguSekela-Tshansila.
8. Umkhosi wemithika uyalishiya iqonga.

*Bonke abakhoyo bayacelwa ukuba beme ngeenyawo de umkhosi wemithika ube uphume wonke eholweni.*

**KANDIDATE WAT KWALIFIKASIES ONTVANG**

*Die grade, diplomas en sertifikate van kandidate wat nie by die gradeplegtigheid teenwoordig kan wees nie, word in hulle afwesigheid toegeken.*

**CANDIDATES RECEIVING QUALIFICATIONS**

*The degrees, diplomas and certificates of candidates who are unable to attend the graduation ceremony in person are awarded in absentia.*

**ABAFUNDI ABAFUMANA IZINGQINI-MFUNDO**

*Izidanga, iidiploma kunye nezatifiketi zabafundi abangakwazanga ukubakho ubuqu kumsitho wothweso-zidanga bathweswa bengekho benjalo.*

### DOKTORSGRADE DOCTORATES EZOBUGQIRHA

***Fakulteit Geneeskunde en***

***Gesondheidswetenskappe***

***Faculty of Medicine and***

***Health Sciences***

***IFakhalthi yezamaChiza neeNzululwazi kwezeMpilo***

**PhD**

CRONJÉ, Nadine (Medical Virology)

*The diversity of coronaviruses in Southern African bat populations*

This study aimed to describe the diversity of coronaviruses occurring in South African bat populations as well as factors influencing bat-coronavirus ecology. It detected nine different coronavirus species (including one closely related to MERS-coronavirus, which is highly pathogenic for humans) in ten different bat species. Surveillance of *Neoromicia capensis* bats revealed substantial coronavirus diversity across different geographic regions and demonstrated that both host and environmental factors may influence viral ecology. Furthermore, several instances of coinfection with different coronaviruses were detected, demonstrating the potential for recombination that could lead to the emergence of a new coronavirus that might have zoonotic potential.

*Supervisor*: Prof W Preiser

*Co-supervisors*: Dr N Ithete (Internal), Dr MC Schoeman (External)

DU PLESSIS, Juanelle (Molecular Biology)

*Clinically relevant mutations contributing to drug resistance in* Mycobacterium tuberculosis

In this body of work, the candidate addressed critical knowledge gaps in our understanding of drug resistance in *M. tuberculosis*. The research included investigating the potential of a bacteriophage protein as the framework for novel anti-tuberculosis drugs. The study also shows for the first time how *Mycobacterium tuberculosis* is able to gain resistance to the second-line drug cycloserine, through application of RNAseq and other molecular techniques. Further to this, the candidate studied the physiological effects of various drug-resistance and compensatory mutations using *in vitro* assays and next generation sequencing technologies. *Supervisor*: Prof SL Sampson

*External Co-supervisor*: Prof S Wigneshweraraj

GONESE, Elizabeth (Epidemiology)

*Evaluation of the Mean Duration of Recent Infection (MDRI) and the False*

*Recent Rate (FRR) for the Limiting Antigen Avidity Enzyme Immune Assay*

*(LAg) and Bio-Rad HIV ½ Plus O Avidity Incidence Assay (BRAI)*

Laboratory assays are important for estimating HIV incidence, par- ticularly because of the complexity of HIV epidemics and the need to measure the impact of public health interventions. Biomarkers should have the lowest possible probability of diagnosing a long-term infection as recently infected, over the longest possible period during which the case is considered as recently infected. The candidate compared three biomarkers (BED, LAg and BRAI), using samples from a prospective cohort trial carried out in Harare from 1997–2000. LAg and BRAI showed promise as methods that could be used for improved estimation of HIV incidence.

*Supervisor*: Prof J Hargrove

*Co-supervisors:* Prof J Nachega and Prof GU van Zyl

*External Co-supervisor*: Prof P Kilmarx

GROENEWALD, Annemari (Medical Physics)

*Design of a universal phantom for quality assurance in diagnostic radiology x-ray imaging*

In medical radiology an accurate diagnosis of the patient requires images of adequate quality. X-ray image quality is currently maintained through the application of sophisticated and expensive devices, known as phantoms. The candidate designed and constructed a universal phantom as a single solution to measuring x-ray image quality over the full range of medical x-ray modalities. Extensive independent testing of a prototype in three institutions confirmed the universal phantom’s accuracy and reliability to maintain x-ray image quality in clinical practice. In addition the universal phantom could potentially offer affordable image quality assurance to radiology services in lower income countries. *Supervisor*: Dr WA Groenewald

*External Co-supervisor:* Dr CB Delis

KHAN, Sadika (Community Health)

*Minimising mechanical prosthodontic interventions for adult patients with a shortened dental arch in South Africa*

The Western Cape population within South Africa has high levels of tooth loss which is costly to treat and compromises their quality of life in terms of function. The research focuses on providing contextual evidence that supports the preservation of functional dentitions with shortened or posteriorly reduced dental arches. The study explored *non-interventionist prosthodontic treatment approaches referred to as a shortened dental arch (SDA) or posterior reduced dental arch to manage partially dentate patients.* The research demonstrated that the SDA in managing needs of partially dentate individuals is an acceptable, viable, evidence-based and cost-effective consideration in routine treatment planning. *Supervisor*: Prof UME Chikte

KOEN, Nelene (Nutritional Sciences)

*The influence of nutrition labelling and logos on food purchasing behaviour in the City of Cape Town, Western Cape, South Africa*

The candidate performed a situation analysis of consumer knowledge and reading of the nutrition information on food labels and found that consumers have poor food and nutrition label knowledge and that nutrition information on food labels is not a major influencer of foodpurchasing behaviour. She also determined the acceptability and appropriate design of a single health endorsement logo for products that indicate healthier choices based on the South African nutrient profile model. The three logos that scored highest were handed to the Directorate: Food Control, National Department of Health, for further national testing before implementation. One article has already been published and three manuscripts have been submitted to international peer-reviewed journals. *Supervisor*: Prof R Blaauw

*External Co-supervisor:* Prof E Wentzel-Viljoen

LAMPRECHT, Heinrich Hilgardt (Emergency Medicine)

*Development of an e-learning platform to improve learning delivery in a low-resourced clinical ultrasound training setting*

The study developed a novel e-learning platform for training emer- gency doctors to become fully competent in practising clinical ultra- sound. This platform is aimed at training doctors while managing critical patients in emergency centres. The e-learning platform is accessible on any electronic device from any location to ensure maximum training opportunity even in the absence of trainer super- vision. The final e-learning platform design was created through a participatory action research approach by a team of researchers, trainee specialist doctors and e-learning developers.

*Supervisor*: Prof TF Krüger

*Co-supervisor:* Prof L Wallis

MANDA, Juziel Kampando (Anatomy)

*An in vitro study of mesenchyme-islet cell interactions in islet neogenesis: a model for tissue replacement therapy in diabetes mellitus*

The candidate investigated *in vitro* the interactions of mesenchyme/duct cells with islets in the formation of new functional islets and assessed the long-term islet transplantation outcomes. Islet, duct and mesen- chymal stromal cells were isolated from the post portion of the pancreatic duct ligated tissues. This study has shown that mesenchymal cells promote the expansion of Pdx1+ cells and maintain the expression of Ngn3 in islet cells and duct–derived neogeneic cells. They also prolonged graft survival and improved the capacity of early harvested islets to reverse hyperglycaemia. This novel observation requires much further exploration for its clinical application.

*Supervisor*: Dr V Tchokonte-Nana

*Co-supervisor:* Prof BJ Page

MARTIN, Lindi Imelda (Psychiatry)

*Relationship between childhood trauma, neuropsychological deficits, neural circuitry, and anxiety proneness in high-anxiety prone and low-anxiety prone adolescents*

Anxiety proneness (AP) and childhood maltreatment (CM) are risk factors for anxiety disorders in youth. This study in school-going adolescents investigated the differential effects of CM and AP on neuropsychological performance and emotion processing using functional magnetic resonance imaging. Additionally, the contribution of gene x environment (i.e. genetic variation of BDNF and childhood maltreatment) on anxiety proneness was determined. Both AP and CM significantly impacted key neuropsychological domains, but not neural responses associated with emotion processing. A gene-environment interaction effect of the BDNF *Met66* allele and CM on AP showed a trend toward significance. Findings underscore the importance of early intervention focused on mitigating or reducing CM and AP and improving cognitive skills. *Supervisor*: Prof S Seedat

NKOMAZANA, Oatlhokwa Mooketsana (Family Medicine)

*Determining the causes for the shortage of human resources for primary health care in Botswana and developing a pilot intervention to address the problem*

Africa has a scarcity of human resources for health, which particularly affects the quality of primary healthcare. This dissertation analysed the available data on human resources for primary healthcare in Botswana and explored the viewpoints of policymakers, healthcare workers and community members in both rural and urban settings. One of the key issues to emerge that would help with the recruitment and retention of healthcare workers was more supportive supervision. The study evaluated organisational culture in Ngamiland and Mahalapye districts and through an action-research process developed a 10-point con- sensus statement on how to improve supportive supervision in district management teams.

*Supervisor*: Prof RJ Mash

*External Co-supervisor*: Prof NA Phaladze

ROSSOUW, Jaco (Psychiatry)

*Effectiveness of prolonged exposure for adolescents with posttraumatic stress disorder (PTSD), as administered by counsellors vs a comparative trial of supportive counselling*

The study investigated the effectiveness of two therapies, ProlongedExposure-Adolescent version (PE-A) for the treatment of post- traumatic stress disorder (PTSD) in adolescents in comparison to supportive counselling (SC). The treatments were provided within a community setting by nurses who were non-specialist health workers, but trained and supervised. The results of this task-shifting randomised controlled trial (RCT) indicated that although PE-A and SC both resulted in significant improvement in PTSD symptoms, PE-A treat- ment led to significantly better outcomes on primary PTSD measures, as well as on secondary measures of depression, loss of PTSD diagnosis post-intervention, and self-reported PTSD symptoms.

*Supervisor*: Prof S Seedat

*Co-supervisor*: Dr D Alexander

SEMPA, Joseph Bukulu (Epidemiology)

*The effects of longitudinal HIV viral load exposure on immune outcomes, mortality, and opportunistic infections amongst ART naïve patients in sub-Saharan Africa*

This dissertation investigates treatment outcomes for HIV-infected people on antiretroviral therapy in sub-Saharan Africa. Long-term immunological outcomes in ART remain incompletely understood, which will have profound impacts on individuals and public health. However, largely incomparable and irreproducible bio-statistical modelling methods have been applied to historical treatment cohort data. This study is consequently methodologically oriented to stan- dardise and improve such models. Specifically, cumulative HIV viral load is investigated as a prognostic predictor of opportunistic in- fections and mortality. Models of immunological response are sys- tematically reviewed, and a novel Bayesian interpretation for such a model is proposed for a previously undescribed cohort. *Supervisor*: Prof M Nieuwoudt

STEYN, Nastassja Lise (Molecular Biology)

*Nucleoid gene regulation in mycobacteria*

The candidate developed a unique affinity purification method in combination with mass spectrometry to identify nucleic acidassociated proteins from cell lysates obtained from formaldehyde treated *Mycobacterium smegmatis* cultures. Nucleoprotein-mass spectrometry was successfully used to identify DNA- and RNAassociated proteins, of which several proteins were shown to be DNA-associated following expression and affinity purification. Nucleo- protein-mass spectrometry was effectively used to describe nucleic acid-associated proteins exclusively identified from stationary growth phase *M. smegmatis* cultures, which included several stress proteins. The developed method provides a unique opportunity to identify proteins required by mycobacteria to adapt to environmental stress conditions. *Supervisor*: Prof RM Warren

*Co-supervisors:* Prof NC Gey van Pittius, Prof S Sampson and Dr M Williams

TAN PHOAY LAY, Christina (Health Professions Education)

*An investigation into the exit level assessment of the clinical competence of medical graduates for the sub-Saharan Africa context*

Against the backdrop of the high burden of disease and resource constraints, this study investigated practices relating to the exit level assessment of clinical competence of medical students at three purposively selected medical schools located in three different subSaharan countries. The study was conducted within a qualitative inter- pretive paradigm, using multiple case studies as the selected research design and employing a range of data-gathering methods. The overall complexity of the study facilitated the use of both inductive and deductive approaches to data analysis. A novel analytical tool using disability-adjusted life years was devised to measure alignment of assessm ent content to relevant local health care issues.

*Supervisor*: Prof SC van Schalkwyk

*External Co-supervisor:* Prof FJ Cilliers

TOEFY, Mogamat Yoesrie (Public Health)

*Development and testing of an m-health platform to reduce postoperative penetrative sex in recipients of voluntary medical male circumcision*

There is an urgent need to develop culturally appropriate messages and innovative delivery strategies for behaviour modification in the postoperative period for medically circumcised men. The four papers constituting the dissertation traced the development of knowledge about the concerns facing these men, the development of the intervention messages sent via voice mail, the outcomes of the randomised control trial that evaluated the intervention, and a user assessment of the m-health tool. The work presented a theoretical and community-sensitive approach to developing m-health messaging in a very socially complex area, and provides a strong research approach recommended for the future. *Supervisor*: Dr D Skinner

*External Co-supervisor:* Prof S Thompsen

UREN, Caitlin Patricia (Human Genetics)

*Investigating southern African genetic diversity and its role in TB susceptibility*

The population structure of southern Africa reflects the underlying KhoeSan genetic diversity as well as recent admixture and affects disease risk: there is a correlation between ancestry and tuberculosis susceptibility. Fine-scale population structure around the Kalahari and distinct immune-related signals of positive selection were identified in southern African populations. The feasibility of combining multiple tuberculosis GWAS datasets with linkage information to identify regulatory variants associated with disease susceptibility was established. Adding population genetics information greatly improves investigations of tuberculosis susceptibility and perhaps other pheno- types unique to southern Africa. Investigating understudied southern African populations affected by tuberculosis provides important insights.

*Supervisor*: Dr M Möller

*Co-supervisor:* Prof E Hoal

*External Co-supervisor:* Dr B Henn

VON PRESSENTIN, Klaus Botho (Family Medicine)

*Evaluating the impact of family physicians within the district health system of South Africa*

Family medicine is a new speciality and this study evaluated the impact of family physicians on the district health system from 2011. It found that they were having a greater impact than medical officers in their roles as clinicians, consultants, leaders of clinical governance, clinical trainers, capacity builders and champions of community-orientated primary care. District managers saw benefits in terms of health system performance. Their impact was stronger in district hospitals than primary care. The national supply was still too low to detect any correlation with health outcomes. South Africa should go to scale with the deployment of family physicians. *Supervisor*: Prof RJ Mash

YOUNG, Susanne Yvette (Psychiatry)

*Association between motor timing and treatment outcomes in patients with alcohol and/or cocaine addiction in a rehabilitation programme*

Individuals diagnosed with substance use disorders (SUD) often suffer from cognitive deficits. This study investigated temporal processing abilities, motor timing specifically, and its association with treatment response and relapse in individuals with SUD. Additionally, we in- vestigated imbalances in two neural circuitry mechanisms, namely the automatic or drive mechanism and the cognitive-predictive or guidance mechanism, as proposed by van Hoof. Results suggest that motor timing is predictive of treatment outcomes, and improves with prolonged abstinence. Partial support was found for deficit imbalance in the model of van Hoof. These findings may have significant impli- cations for the treatment of SUD. *Supervisor*: Prof S Seedat

*External Co-supervisor:* Dr J van Hoof

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| --- |
| **ANDER KWALIFIKASIES OTHER QUALIFICATIONS EZINYE IZINGQINI-MFUNDO** |

***Fakulteit Geneeskunde en***

***Gesondheidswetenskappe***

***Faculty of Medicine and***

***Health Sciences***

***IFakhalthi yezamaChiza neeNzululwazi kwezeMpilo***

**BACCALAUREUS IN DIE GENEESKUNDE EN**

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ABRAHAMS, Zubayr

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ALLIE, Laa'iqah

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ANTHONY, Byron Peter

ASHTIKER, Kamaludin

ASHTIKER, Nabeela

BAPOO, Aqeeba

BARRON, Lauren Rose

BARRY, Petra Sunita

BASHA, Reyhana

BENJAMIN, Saeeda

BEUKES, Ricado

BEYERS, Brian Deon

BHAMJEE, Ayesha

BOOYENS, Hendrik Fick

BOOYSEN, Eldereze Agnes

BOTMAN, Nazlee

BRAND, Lizahn

BRAND, Tiffany Andrea Merushka

BRUWER, Heinrich Frederick

BURGER, Liehet

BUXEY, Callie

CADER, Fawwaz Abdul-Latief

CAMROODIEN-SURVE, Raabiah

CASSIM, Farha

CASTLE, Bryan Winston CHARLES, Chante Alicia

CHEN, Jonathan

COETZEE, Christiaan Pieter

CONRADIE, Retha-Mari

CORDIER, Louis Christiaan

CUPIDO, Bryce Courtney

DANA, Athenkosi Nangamso

DAVIDS, Nikitia Nicole

DE JONGH, Tiane

DE WET, Ansunette

DE WET, Charles Greyling

DEELMAN, Eden Isobel

DELPORT, Adriaan Moorrees

DE VILLIERS, Abubakr

DOLLIE, Razaanah

DUIKER, Andrea Nicole EBRAHIM, Raeesa

EHLERS, Francois Werner Raynier

ERASMUS, Ronel

FAKIER, Randy

FATAAR, Aaqilah

FERREIRA, Mardré Cornelia FOURIE, Helenka

FOUTEN, Amy Kim

FREDERICKS, Laylah

GALLIE, Nawaal

GANGEN, Ugeetha Arthi

GOOLAM, Hajiera

GRÄBE, Paul Johan Francois

HABE, Vuyolwethu

HAMDULAY, Nasreen

HAMDULAY, Salmah

HARPER, Francesca Ruth

HATTINGH, Ilna

HATTINGH, Neil

HATTINGH, Stephanie Beverley Anne

HUDSON, Gerhard Nico

IBRAHIM, Basheera

ISAACS, Aisslyn Bronte

JACOBS, Ryan Kurt

JACOBS, Steve Lerenzo

JAKOET, Mishqa

JANO, Naved

JASSIEM, Naa-Ilah

JONSSON, Edward Anders

JORDAAN, Jean-Jacques

JOSEPHUS, Naydene Dorothea

JUNGBAHADUR, Evashnee

JWAMBI, Pumeza Lelethu

KAMROODIEN, Arifakhatoon

KELLERMANN, Christina Hester

KERAAN, Haaniem

KINGWILL, Lara Kate

KOSI, Maria Jama Bongiwe

KRUGER, Anje

KRUGER, Rene

KUBEKA, Xoliswa Pamela

LALJITH, Ashmitha

LAMBRECHTS, Johannes Erasmus

LANDMAN, Frederick Richter

LATSKY, Johannes Michael Albertus

LAUBSCHER, Andréa

LAUBSCHER, Lise-Marié

LESCH, Cindy

LIN, Chun-Cheng

LOMBARD, Donné Amy

LOUW, Levia Odelia

LWANA, Siyamthanda

MAARTENS, Megan

MAGERMAN, Astrid Aneurin

MALGAS, Robin

MALHERBE, Marise

MARAIS, Mia

MARAIS, Ruzaan

MARSHALL, Theiler Larsen

MARTHINUSSEN, Chad Denzil

MASUKU, Lebogang Amanda Martha

MAYIMELE, Kulani

MBHENSE, Nelisa Kwanele

MILLS, Kate Jane Barlow

MKHIZE, Sinenhlanhla

MOATSHE, Mahlogonolo Abram

MODIRI, Naledi Boitumelo

MOHSAM, Yasin

MOKONE, Annabella Mmala

MÖLLER, Karl Stefan

MOUTON, Heike Christine

MOWLANA, Mogammad Rasheed

MTOLO, Sibongile Patricia

MULLER, Shariska

MYBURGH, Melandie

NAKHWA, Zaakir

NAROTAM, Pramod

NAROTAM, Vidisha

NAUDE, Gillian Frediricka

NEL, Annemi

NORMAN, Christopher David

NXUMALO, Zoliswa

OLIVIER, Courtney Molly

OMAR, Junaid

OOSTHUIZEN, Cornelius Jacobus

OPPERMAN, Lisa

PARKER, Firdoush

PARKER, Hajierah

PARKER, Sajiedah

PARKER, Yaseen Ahmed

PATEL, Kirti

PATHER, Jody Faith

PETERSEN, Chene

PHENETHI, Mpho Esther

PHETLA, Mashego

PHOPLANKER, Mariam

PONTO, Monique

PRAG, Kamita

PRENTICE, Chelsea

PRETORIUS, Frans

RAMBADO, Phindulo Phungo

RAPULING, Llewelen Reginald David

REDDY, Sathyanarayana Peethambaram

RIBEIRO, Melissa

ROBERTS, Dillon Craig

ROODT, Jaco

ROTHMAN, Alison Barbara

RYLANDS, Nabeelah

SAIEVA, Piero

SALIE, Fawzia

SALIE, Nur-Jehan

SALIE, Rhadiya

SAULS, Jo-Ann Lauren

SAYED ISMAIL, Nadia

SEKWATI, Mahlabelele Neelo

SELATLHA, Kholofelo

SENGO, Nomawethu Constance

SIBANDA, Khethiwe Zinhle

SIBIYA, Luyanda Patricia SIMONS, Tarynne Alicia

SIMONSE, Shannon Imelia Jeanine

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SRIDHAR, Ashwini

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SWARTZ, Ray-Leigh Samantha

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THEUNISSEN, Zamian Adrian TITUS, Afifa

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TSHONA, Luvuyo Rudick

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VALENTINE, Chriswell

VALLEY, Waseem

VAN DEN HEEVER, Conwill Dehan

VAN DER KOLF, Paul

VAN DER WALT, Hettie

VAN ECK, Valene

VAN GENSEN, Carynne Aretha

VAN GYSEN, Annemieke

VAN STADEN, Quintin Andre

VAN STADEN, Ruan

VARIAWA, Saffiya

VERMEULEN, Willem Johannes Christiaan

VERSTER, Andries Nico

WANG, Yi-Chieh

WEVER, Daniël

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WILLIAMS, Katherine Magdalene

WILLIAMS, Shariefa

WILLIAMS, Taryn

WINGFIELD, Christine Elizabeth

WINTER, Anri

WOLFF, Herman

WONG, Ai-Ting

YSSEL, Danica

ZUMA, Nokubonga Buyisiwe

ZWANE, Ndumiso Sibukosezwe

**BACCALAUREUS IN DIE GENEESKUNDE EN**

**BACCALAUREUS IN DIE SNYKUNDE CUM LAUDE**

**(MB, ChB CUM LAUDE)**

**BACHELOR OF MEDICINE AND BACHELOR OF**

**SURGERY CUM LAUDE (MB, ChB CUM LAUDE)**

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BOLITER, Nicholas Michael

BRITS, Rudi

Mac ARTHUR, Elizabeth

MARAIS, Jani

MATTHYSEN, Marli

OOSTENBRINK, Ruan

POTGIETER, Luricke

RASDIEN, Umr

ROSSOUW, Werner André

SCHOLTZ, Janneke

SOLOMON, Roshaan

VAN BILJON, Charné

VAN DEN BERG, Tanya

VAN ZYL, Liza

WESLEY, Nitiksha Kim YOUNG, Leanne

**BACCALAUREUS IN ARBEIDSTERAPIE (BArb)**

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DU TOIT, Suzanne

FREDERICKS, Ragmah

FULS, Simoné

GIOIA, Kathrin Gameal

JORDAAN, Elaine

KRUGER, Cornelia Christina

LAWRIE, Chelsea Jane

MAHARAJ, Anisha

MTHEMBU, Minenhle Noluthando Ziyanda

MYBURGH, Priscilla Marie

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SLATER, Kelly Lynne

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**BACCALAUREUS IN ARBEIDSTERAPIE CUM LAUDE**

**(BArb CUM LAUDE)**

**BACHELOR OF OCCUPATIONAL THERAPY**

**CUM LAUDE (BOccTher CUM LAUDE)**

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SCHRUER, Hayley Pamela

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**BACCALAUREUS IN DIE NATUURWETENSKAPPE IN**

**FISIOTERAPIE (BScFisio)**

**BACHELOR OF SCIENCE IN PHYSIOTHERAPY**

**(BScPhysio)**

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BOATENG, Peter Asiedu

CHHIBA, Shanita

COLLINS, Jason Charl

CONRADIE, Pieter Jakobus

DAMON, Shareefa

DE WAAL, Hannah Christine

DU PLESSIS, Jonelle

DU TOIT, Christene Antoinette

FERNANDES, Daniella

FIVAZ, Marlia

GOOSEN, Nicolise

JACOBS, Carlyle Ranwell

JAMES, Liesl Cathrine

JANSE VAN VUUREN, Anika Corlé

JORDAAN, Ernst-Herman

KADER, Nabeelah

KGAFANE, Lesego

LE ROUX, Simoné

LECLERCQ, Dominique Stephanie

LOCKYER, Michael Mark

LOMBARD, Mart-Marié

MATTHYSEN, Sumé

MEYER, Lyle Aldrich

MICHAU, Jamie-Leigh

NEL, Suené Corlia

PERSUTAM, Tanisha Jai RAUTENBACH, Herné

REUTER, Nadia Maja

RODERIQUES, Genevé Emma

THOMPSON, Simone Chloe

TROMP, Sumeri

VAN DER MERWE, Matthew Jon

VAN DER WATT, Annabelle

VAN EEDEN, Christa

VAN MOLENDORFF, Marizé VAN ZYL, Heleen

VAN ZYL, Michelle VISSER, Anene

VOGEL, Janica

WITTEN, Dane Allistair

ZANTSI, Siphosethu

**BACCALAUREUS IN DIE NATUURWETENSKAPPE IN**

**FISIOTERAPIE CUM LAUDE (BScFisio CUM LAUDE)**

**BACHELOR OF SCIENCE IN PHYSIOTHERAPY CUM**

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VOORHOUT, Tyla-Jade

**BACCALAUREUS IN DIE NATUURWETENSKAPPE IN**

**DIEETKUNDE (BScDieetk)**

**BACHELOR OF SCIENCE IN DIETETICS (BScDiet)**

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BOLTMAN, Danell

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COATES, Tyler Lizo

DU PLESSIS, Maya

FARMER, Kelly Odette

FREITAS, Carina Jacinta

GOORAPAH, Aroushinee

GOOSEN, Elanca

HABBIB, Firdaws

HATT, Tamzin

HUDSON, Christina

KHAN, Nazreen

KOCK, Shaun Dale

LIU, Jiali

MULLER, Doné

OOSTERBAAN, Julia Helen

OTTO, Elzahn

OVERMEYER, Kristi Jade

RAMOTHATA, Tselane Dorcas

RAUTENBACH, Jana

SCOTT, Stacey-Lee

SMITH, Angelique Natasha

SUTCLIFFE, Mikaela VAN ZYL, Rita

VERMEULEN, Maria

WILSON, Salomei

WUBBELING, Lisa

**BACCALAUREUS IN DIE NATUURWETENSKAPPE IN**

**DIEETKUNDE CUM LAUDE (BScDieetk CUM LAUDE)**

**BACHELOR OF SCIENCE IN DIETETICS CUM LAUDE**

**(BScDiet CUM LAUDE)**

ROUILLARD, Stephanie Nicol

**BACCALAUREUS IN SPRAAK-TAAL- EN**

**GEHOORTERAPIE (B Spraak-Taal en Gehoor)**

**BACHELOR OF SPEECH-LANGUAGE AND HEARING**

**THERAPY (BSpeech-Lang and Hearing)**

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BECKETT, Sarah Louise

BUYS, Kristen Hannah Somerville

DALEMAN, Jennifer

DE BRUIN, Marisa

DHAYA, Anisha

DU PLESSIS, Marlize

ERASMUS, Marcelle

GALANT, Ashlon Jenine

GAMIELDIEN, Fazlin

HURTER, Martinette

JANSE VAN RENSBURG, Marzanne

JANSEN, Carla

JULIUS, Megan Justine

LE ROUX, Carla

MAZIBUKO, Noluthando Nomphumelelo

NEL, Maatje Jeanette

OBERHOLZER, Sarah Joy

ORTMANN, Nadia PEROLD, Mia-Lize

SELAHLE, Bohlale Realeboga STEYN, Cornelia

UYS, Jani Petronell

WILLIAMS, Priscilla Ruth

**BACCALAUREUS IN SPRAAK-TAAL- EN**

**GEHOORTERAPIE CUM LAUDE (B Spraak-Taal en Gehoor**

**CUM LAUDE)**

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**THERAPY CUM LAUDE (BSpeech-Lang and Hearing**

**CUM LAUDE)**

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**NAGRAADSE DIPLOMA IN FARMASEUTIESE**

**GENEESKUNDE (NGDip (Farmaseutiese Geneeskunde))**

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DOWELANI, Ndimuhulu

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REUTER, Hermann Kurt

VAN DEVENTER, Nelia

**NAGRAADSE DIPLOMA IN INFEKSIEBEHEER (NGDip**

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NYEMBWE, Doris

SIQHAZA, Landiwe

**NAGRAADSE DIPLOMA IN INFEKSIEBEHEER**

**CUM LAUDE (NGDip (Infeksiebeh) CUM LAUDE)**

**POSTGRADUATE DIPLOMA IN INFECTION CONTROL**

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CURLE, Patricia Jean

SCHOEMAN, Elizabeth

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**POSTGRADUATE DIPLOMA IN NURSING**

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ABRAHIM, Carleen (Primêre Gesondheidsorg)

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ADAMS, Liezel Luzelle (Operasiesaalverpleegkunde)

ALMENDRO, Annika (Verpleegonderwys)

ALMENDRO, Gwendoline (Verpleegonderwys)

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BEYERS, Belinda (Verpleegbestuur)

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BOSHOFF, Janine Yolande (Operasiesaalverpleegkunde)

BOTHA, Linda Amanda (Verpleegbestuur)

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BRINK, Edith Raynette (Verpleegonderwys)

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CEBISA, Nomaphelo (Verpleegbestuur)

CLOETE, Levono (Primêre Gesondheidsorg)

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CROOKHAM, Donne Marcia (Verpleegonderwys)

DABULA, Luvokazi (Primêre Gesondheidsorg)

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DE LANGE, Petra Frances Rocher (Verpleegonderwys)

DLODLO, Cebolenkosi Bandile (Verpleegonderwys)

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DRIVER, Melizethia Edwina (Primêre Gesondheidsorg)

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EIJDEMS, Merentia Ethne (Verpleegonderwys)

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EXFORD, Florence Ivy (Operasiesaalverpleegkunde)

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HAMUNYELA, Patemoshela (Verpleegonderwys)

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KEWANA, Nthabiseng Eleanor (Primêre Gesondheidsorg)

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KOOPMAN, Pauline (Verpleegbestuur)

KOOREVAAR, Nancy (Kritieke Sorg)

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KOTZE, Marie (Verpleegbestuur)

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KWIESA, Elizabeth Marlene (Verpleegbestuur)

LE ROUX, Leonie Mary Ann (Verpleegbestuur)

LIEDEMAN, Pearl (Operasiesaalverpleegkunde)

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LUDICK, Barryan Colleen (Verpleegbestuur)

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MAELA, Mamotsike Sharlod (Verpleegonderwys)

MAKASI, Asanda Pollen (Primêre Gesondheidsorg)

MALINGANISO, Rutendo (Verpleegonderwys)

MANQABA, Bonginkosi (Gevorderde Psigiatriese Verpleegkunde)

MAPHEULE, Patience Luanda (Gevorderde Psigiatriese

Verpleegkunde)

MATHE, Nompumelelo (Gevorderde Psigiatriese Verpleegkunde)

MATHEBULA, Mpho Gift (Verpleegonderwys)

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VAN ZYL, Aletta Margaretha (Primêre Gesondheidsorg)

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VAN ROOYEN, Hanlie (Verpleegbestuur)

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**NAGRAADSE DIPLOMA IN HUISARTSKUNDE**

**(NGDip (Huisartsk))**

**POSTGRADUATE DIPLOMA IN FAMILY MEDICINE**

**(PGDip (FamMed))**

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AKINGBOHUNGBE, Olugboyega Olamoyewa

CHIGOGWANA-NDUDZO, Abigail Rutendo

CHIRWA, Levy

KABONGO, Tshibwaya

MAMBA, Sylvie Musinde

MAYELE, Amen Anguy

MUKUNA, Jean-Pierre

OKAFOR, Francis Chike

OKPULOR, Charles Akanjiaku

OLOWA, Shango Nico

ROBINSON, Denise Lauren

**NAGRAADSE DIPLOMA IN HUISARTSKUNDE**

**CUM LAUDE (NGDip (Huisartsk) CUM LAUDE)**

**POSTGRADUATE DIPLOMA IN FAMILY MEDICINE**

**CUM LAUDE (PGDip (FamMed) CUM LAUDE)**

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**NAGRAADSE DIPLOMA IN BEROEPSGENEESKUNDE**

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**POSTGRADUATE DIPLOMA IN OCCUPATIONAL**

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MDYESHA, Lwazi

MODISE, Karabo Doctor

MOFOKA, Makuena Elizabeth

MUSA, Masabata Audrey

NAIDOO, Nivasha

NKALANE, Yandiswa Priscilla

NTULI, Thokozani Patson

NXUMALO, Khayelihle Cliford

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**NAGRAADSE DIPLOMA IN BEROEPSGENEESKUNDE**

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ROOS, Izanne

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**NAGRAADSE DIPLOMA IN GESTREMDHEID- EN REHABILITASIESTUDIES (NGDip (Gestremdheid- en Rehab Studies))**

**POSTGRADUATE DIPLOMA IN DISABILITY AND**

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LEKHEHLE, Ariah Sefora

LIEBENBERG, Anjanet Wanda

MOFUBELU, Palesa Relebohile

MOLOSI-KGWAKGWE, Obakeng

MUFAMADI, Emmanguluko

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**NAGRAADSE DIPLOMA IN GESTREMDHEID- EN**

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**NAGRAADSE DIPLOMA IN**

**GENEESMIDDELONTWIKKELING**

**(NGDip (Geneesmiddelontwikkeling))**

**POSTGRADUATE DIPLOMA IN MEDICINES**

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MANGOMA, Yemurai

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MHLONGO, Ndlovukazi Khensani

MOGANO, Mafeta Harry

PILLAY-FUENTES LORENTE, Veshni

RAMANO, Tondani

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**NAGRAADSE DIPLOMA IN**

**GENEESMIDDELONTWIKKELING CUM LAUDE**

**(NGDip (Geneesmiddelontwikkeling) CUM LAUDE)**

**POSTGRADUATE DIPLOMA IN MEDICINES**

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ACKERMANN, Hilgard Michiel (Urologie)

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AMIRALI, Mazher Hussein (Interne Geneeskunde)

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VERKHOVSKY, Anna (Anestesiologie)

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WIESNER, Frederik Jacobus (Ortopedie)

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**MASTER OF SCIENCE IN MEDICAL SCIENCES**

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**MAGISTER IN MENSLIKE REHABILITASIESTUDIES**

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**MASTER IN HUMAN REHABILITATION STUDIES**

**(M Human Rehab)** KWADIBA, Beauty

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KRIGE, Tammy (Chemiese Patologie)

MUSAIGWA, Fungai (Hematologiese Patologie)

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SCHMUTZ, Anna Maria Susanna (Gesondheidsberoepe-onderwys)

SOLOMON, Petula Anastacia (Gesondheidsberoepe-onderwys)

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**MAGISTER IN DIE WYSBEGEERTE CUM LAUDE**

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**MASTER OF PHILOSOPHY CUM LAUDE (MPhil CUM**

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**MAGISTER IN DIE VERPLEEGKUNDE (M Verpleegkunde)**

**MASTER OF NURSING (M Nursing)**

ADAMS, Shahnaz

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**MAGISTER IN VOEDING (M Voeding)**

**MASTER OF NUTRITION (MNutr)**

MÖLLER, Ilana (Voedingswetenskappe)

RAMUADA, Londolani Goodness (Voedingswetenskappe)

REEDING, Renette Andrea (Voedingswetenskappe)

**MAGISTER IN FISIOTERAPIE (MFisio)**

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**MAGISTER IN SPRAAK-TAALTERAPIE CUM LAUDE**

**(M in Spraak-Taalterapie CUM LAUDE)**

**MASTER IN SPEECH-LANGUAGE THERAPY CUM**

**LAUDE (M in Speech-Language Therapy CUM LAUDE)**

JESKE, Corinna

**MEDALJE** (Ter kennisname)

**MEDAL** (For your information) **IMBASA** (Ukwenzela ulwazi lwakho)

*Geneeskunde en Gesondheidswetenskappe*

|  |
| --- |
| **KANSELIERSTOEKENNING / CHANCELLOR’S AWARD / IBHASO LIKATSHANSILA**  *Departement Psigiatrie*  *Department of Psychiatry*  *ISebe leZigulo zeNgqondo*  **PROF S SEEDAT** |

Fakulteit Geneesk en Gesondheidswetenskappe-medalje: Me L Young

S

oraya Seedat, uitgelese professor in psigiatrie, is ’n inter- nasionaal gerekende klinikus-wetenskaplike wie se na- vorsingsb elangstellings geslagsgebaseerde geweld, post traumatiese stressteuring, MIV/neurovigs, teëspoed in die vroeë lewensjare en fetale alkoholspektrumsteurings insluit. Haar werk, wat uit verskillende dissiplines put, het reeds ’n beduidende impak op kliniese praktyk en beleid gehad, en die meer as 170 vaktydskrifartikels en boekhoofstukke uit haar pen word wyd in internasionale wetenskaplike literatuur aangehaal. Die besondere relevansie van haar navorsing vir die wêreld waarin ons leef, het haar die Departement van Weten- skap en Tegnologie/Nasionale Navorsingstigting se leers toel in posttraumatiese stressteuring sowel as meded irekteurskap van die Mediese Navorsingsraad se Eenheid vir Angs- en Stres- steurings besorg. Hierdie impakryke navorser het al gen oot skappe van die Wêreldfederasie van Verenigings vir Biologiese Psigiatrie sowel as die Lundbeck-instituut én ’n toekenning van die Amerikaanse Angssteuringsvereniging ontvang.

D

istinguished professor of psychiatry Soraya Seedat is an internationally renowned clinician-scientist whose re search interests include gender-based violence, post-traumatic stress disorder, HIV/neuroAIDS, early-life adversity and foetal alcohol spectrum disorders. Drawing on different disciplines, the more than 170 journal articles and book chapters from her pen have had a substantial impact on clinical practice and policy, and are widely cited in scientific literature globally. Profoundly relevant in today’s world, her research has earned her the Department of Science and Technology/National Research Foundation chair in posttraumatic stress disorder, as well as co-directorship of the Medical Research Council’s Unit on Anxiety and Stress Disorders. Accolades bestowed on this high-impact researcher include fellowships of the World Federation of Societies of Biological Psychiatry as well as the Lundbeck Institute, along with an award from the Anxiety Disorders Association of America.

# PROGRAM VIR DIE DERDE PLEGTIGHEID

## DIE FAKULTEITE OPVOEDKUNDE EN KRYGSKUNDE

*’n Vriendelike beroep word op alle aanwesiges gedoen om selfone af te skakel en nie die saal tydens die plegtigheid te verlaat nie om sodoende te verseker dat die verrigtinge sonder ontwrigting verloop.*

1. Akademiese prosessie kom die saal binne. U word versoek om te staan terwyl hulle die saal binnekom om te bly staan vir die sing van die Nasionale Lied.
2. Sing van die Nasionale Lied (kyk binneagterblad). Neem asseblief daarna u sitplekke in.
3. Konstituering deur die Visekanselier.
4. Verwelkoming deur die Visekanselier en prof X Simon.
5. Voorstelling van kandidate wat kwalifikasies ontvang deur die dekane van die betrokke fakulteite en toekenning van kwalifikasies deur die Visekanselier.
6. Voorstelling van kandidate vir Kanselierstoekennings en oorhandiging van die toekennings deur die Visekanselier.
7. Sluiting deur die Visekanselier.
8. Akademiese prosessie verlaat die verhoog.

*Die aanwesiges word versoek om te bly staan totdat die akademiese prosessie uitgestap het.*

# PROGRAMME FOR THE THIRD CEREMONY

## THE FACULTIES OF EDUCATION AND MILITARY SCIENCE

*To help ensure that the proceedings run their course without disruption, will all those present kindly keep their cell phones switched off, and refrain from leaving the hall, while the ceremony is in progress.*

1. Entrance of academic procession into the hall. You are requested to stand while it enters, and then to remain standing for the singing of the National Anthem.
2. Singing of the National Anthem (see inside back cover). Thereafter, please be seated.
3. Congregation formally constituted by the Vice-Chancellor.
4. Welcome by the Vice-Chancellor and Prof X Simon.
5. Presentation of candidates receiving qualifications by the deans of the respective faculties and conferment of qualifications by the Vice-Chancellor.
6. Introduction of candidates for Chancellor’s Awards and presentation of the awards by the Vice-Chancellor.
7. Closing by the Vice-Chancellor.
8. The academic procession leaves the stage.

*Those present are requested to remain standing until the entire academic procession has left the hall.*

# ISICWANGCISO-NKQUBO SOMSITHO WESITHATHU

## IIFAKHALTHI EYEZEMFUNDO NEYOBUNZULULWAZI KWEZOMKHOSI

*Ukuqinisekisa ukuba umsitho uqala ngaphandle kwesiphazamiso, bonke abakhoyo bayacelwa ukuba bacime iiselfowuni zabo, kwaye bangaphumi eholweni ngeli xesha umsitho uqhubekayo.*

1. Kungena umkhosi wemithika eholweni. Niyacelwa ukuba nime ngeenyawo xa ungena, nihlale nime njalo ukuze kuculwe uMhobe weSizwe.
2. Kuculwa uMhobe weSizwe (Jonga kumphakathi weqweqwe lokugqibela). Emva koko, ningahlala phantsi.
3. UMsitho uvulwa ngokusesikweni nguSekela-Tshansila.
4. Ulwamkelo lwenziwa nguSekela-Tshansila noNjing X Simon.
5. Ukunikezelwa kwezingqini-mfundo kubafundi ziintloko zeefakhalthi (iidin) ezichaphazelekayo nokuthweswa kwezingqini-mfundo nguSekela-Tshansila.
6. Ukwaziswa kwabagqatswa beBhaso likaTshansila nokunikezwa kwamabhaso nguSekela-Tshansila.
7. Ukuvalwa koMsitho nguSekela-Tshansila.
8. Umkhosi wemithika uyalishiya iqonga.

*Bonke abakhoyo bayacelwa ukuba beme ngeenyawo de umkhosi wemithika ube uphume wonke eholweni.*

**KANDIDATE WAT KWALIFIKASIES ONTVANG**

*Die grade, diplomas en sertifikate van kandidate wat nie by die gradeplegtigheid teenwoordig kan wees nie, word in hulle afwesigheid toegeken.*

**CANDIDATES RECEIVING QUALIFICATIONS**

*The degrees, diplomas and certificates of candidates who are unable to attend the graduation ceremony in person are awarded in absentia.*

**ABAFUNDI ABAFUMANA IZINGQINI-MFUNDO**

*Izidanga, iidiploma kunye nezatifiketi zabafundi abangakwazanga ukubakho ubuqu kumsitho wothweso-zidanga bathweswa bengekho benjalo.*

### DOKTORSGRADE DOCTORATES EZOBUGQIRHA

***Fakulteit Opvoedkunde***

***Faculty of Education***

***IFakhalthi yezeMfundo***

**PhD**

BURGER, Johann Richard Vivian (Opvoedingsbeleidstudie)

*Skoolhoofde se leierskapspraktyke met betrekking tot die skepping van ruimte by hul skole*

Die proefskrif bied ’n analise van hoe twee skoolhoofde in uiteen- lopende kontekste deur hul leierskapspraktyke produktiewe leero m gewings by hul skole skep. Dit is gebaseer op kwalitatiewe navorsing en die ruimtelike teorie van Henri Lefebvre. Die studie bespreek hoe die skoolhoofde hul transformerende leierskapspraktyke aanwend om die inkoop én samewerking van hul skoolbestuurspanne en skool- beheer liggame te verkry. Die mate waartoe die geografiese en eie- soortige kontekste hul ruimteskepping beïnvloed word bespreek. Die belangrikste bevinding is dat die twee skoolhoofde die *fisiese* ruimtes by hul skole in nuwe *voorgestelde* ruimtes omskep het om te verseker dat hul skole gesonde leeromgewings word. *Promotor:* Prof A Fataar

DU TOIT, Susan (Opvoedkundige Sielkunde)

*Die belewing en die vergestalting van veerkragtigheid van ouers van kinders met Aandagtekort- en Hiperaktiwiteitsversteuring in hul middelkinderjare*

Die doel van die navorsing was om die belewing en die veerkragtigheid van ouers van kinders met Aandagtekort- en Hiperaktiwiteitsv er steuring (ATHV) in hul middelkinderjare vanuit ’n sterktep erspektief te ondersoek. ’n Narratiewe gevallestudie is as ondersoekbenadering gevolg en onderhoude is met 21 deelnemers gevoer. ’n Tematiese ana- lise is as dataverwerkingsmetode gebruik ten einde ’n diagrammatiese voorstelling van die bevindinge te verkry. Die bevindinge benadruk die samelewing se onkunde rakende ATHV, die belangrikheid van bewus- making van hierdie toestand, asook ondersteuning as ’n sosiale bepaler van veerkragtigheid. Aanbevelings is vervolgens op ’n teoretiese, praktyk-, en beleidsvlak gemaak. *Promotor:* Prof E Swart

LOUBSER Henriëtte (Omgewingsopvoedkunde)

*Die uitbeelding van omgewingskwessies in geselekteerde tekste uit die*

*Afrikaanse kinder- en jeugliteratuur: ’n ekokritiese perspektief*

Hierdie navorsing bied ’n ekokritiese, sosiaal-ekologiese perspektief op die mens-natuur-verhouding. Die uitbeelding van omgewingskwessies in geselekteerde tekste uit die Afrikaanse kinder- en jeugliteratuur is onder die loep geneem en daar is nagevors oor die potensiaal van hier- die tipe tekste tot leergeleenthede en tot omgewingsgeletterdheid. Die gekose tekste is ontleed teen die agtergrond van die mensg edomi neerde geologiese epog, die antroposeen. Daar word diepg aande besin oor die verhalende ekoteks as kunsvorm en hoe dit saam met ekologie en die biologiese wetenskappe sin maak. Daar is bevind dat deur toe- passing van ekokritiese teorieë sowel as pedagogiese teorieë oor ekogeletterdheid hierdie tekste vir omgewingsopvoeding ontleed en aangewend kan word. *Promotor:* Prof CPS Reddy

*Medepromotor:* Dr E Kruger

LUVALO, Loyiso Mennon (Education Policy Studies)

*The institutional culture of a post-merger institution: a case study of a South African university*

This dissertation is based on a critical-hermeneutical study of insti- tutional culture of a merged higher education institution, with the University of South Africa (Unisa) as the unit of analysis. Concepts, documents and interviews were analysed in order to establish how they were contributing to the articulation of institutional culture as enunciated in government policies. It was found that the inter- pretations of the policy documents and participants’ perceptions of the merger were completely different, and several policies positioned the university towards service of humanity in Africa. There is an awareness of an institutional culture which confirmed Unisa as a leading open distance learning institution. *Supervisor:* Prof B van Wyk

McMULLIN, Lindy Sannie (Educational Psychology)

*The application of ancient Greek myth and music in personal, professional and transpersonal development*

The candidate investigated the value of Greek mythology for psychological and professional development. Participants were read *Homer’s Hymn to Demeter* over five sessions, using a strategy that encouraged immersion (lying down in a quasi-t herapeutic setting, with lyre music playing). The research employed an interpretive inter- actionist approach, in which interview responses, dream imagery, and other data such as drawings were collated. Results suggested, firstly, that key aspects of the myth were incorporated in more or less symbolic ways in participants’ imagery and, secondly, that key themes in the myth – e.g. deep aspects of mother-daughter relationships – impacted in poignant ways in participants’ lives.

*Supervisor*: Prof I Lancaster

*Co-supervisor*: Prof R Newmark

PFEIFFER, Cerenus Roderick (Curriculum Studies)

*A study of the development of mathematical knowledge in a GeoGebrafocused learning environment*

This exploratory study was about how a GeoGebra-enhanced mathematics-learning environment can support students to develop mathematical knowledge. Students in a bridging programme at a South African university participated in this mixed-methods study. The qualitative and quantitative results showed that GeoGebra afforded students an opportunity to better understand function trans- formations, circle geometry and general solutions of trigonometric equations. Qualitative discourse and content analyses of lessons and tests for function transformations and circle geometry showed learner progression to higher levels of abstraction. The results affirm the potential benefits of using GeoGebra to teach mathematical concepts that lend themselves to technology integration.

*Supervisor:* Prof MC Ndlovu *Co-supervisor:* Dr JH Smit

TERBLANCHE, Tercia Elaine (Curriculum Studies)

*Technical and Vocational Education and Training (TVET) colleges in*

*South Africa: a framework for leading curriculum change*

This study has pointed out that the Technical and Vocational Education and Training (TVET) college curriculum in South Africa needs re- structuring in order to support a more innovative response to industry requirements and TVET standards. From her research the candidate has identified several strategies that will lead to TVET curriculum change and thus contribute substantially to the development of a research-based framework for leading such change. The study findings confirm that the TVET college curriculum in South Africa needs urgent reform and it therefore makes a substantial contribution to new knowledge and practice in the field of TVET curriculum leadership.

*Supervisor:* Prof EM Bitzer

*Co-supervisor*: Prof L Frick

TSHUMA, Lindiwe (Curriculum Studies)

*Veelvoudige vlakke en aspekte van taalbevoegdheid in Engels van Intermediêre Fase-wiskundeonderwysers: ’n ontleding van ’n gevallestudie in die Oos-Kaapprovinsie.*

The South African Language in Education Policy stipulates that English or Afrikaans be used as language of instruction in the intermediate phase, after mother tongue instruction in the foundation phase. However, 90% of the learners in public schools use English as the official language of learning and teaching. This study is informed by the socio-psycho-linguistics theory of Gawned and investigated the influence of IP teachers’ linguistic competencies on mathematics instruction in 16 educational districts in the Eastern Cape, – the poorest performing province in IP mathematics in the country. The study revealed that teacher language competency in English, the language they are supposed to teach in, is significantly low and com- promises the quality of mathematics instruction. This is due to the majority of teacher education institutions not enforcing mastery in the language of instruction. The study concludes that the onus is on teacher education institutions to linguistically prepare IP mathematics teachers adequately because one cannot assume that teacher language competency in the language of instruction is up to standard.

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| **ANDER KWALIFIKASIES OTHER QUALIFICATIONS EZINYE IZINGQINI-MFUNDO** |

*Supervisor:* Prof MLA le Cordeur

***Fakulteit Opvoedkunde***

***Faculty of Education***

***IFakhalthi yezeMfundo***

**BACCALAUREUS IN DIE OPVOEDKUNDE (ALGEMENE**

**ONDERWYS) (BEd (AlgOnd))**

**BACHELOR OF EDUCATION IN GENERAL EDUCATION**

**(BEd (GenEd))**

ABRAHAMS-CROCKER, Alexander David (Intermediêre en Senior

Fases)

AFRICA, Elvirencia Loreena (Grondslagfase)

ARENDSE, Aimee Barbara-Jean (Grondslagfase)

ARENDSE, Kelsey Jamie (Intermediêre en Senior Fases) AVENANT, Nina (Grondslagfase)

BAILLIE, Heather (Intermediêre en Senior Fases)

BAPTISTE, Kayla-Anne (Intermediêre en Senior Fases)

BARNARDT, Jana Andrea (Grondslagfase)

BENTING, Dimitri Maurice (Intermediêre en Senior Fases)

BESTBIER, Johannes Jacobus (Intermediêre en Senior Fases)

BEUKES, Leonardo Rodriques (Intermediêre en Senior Fases) BLIGNAUT, Nicola (Grondslagfase)

BONZE, Paghan Marise (Intermediêre en Senior Fases)

BOSHOFF, Anmoré Petro (Grondslagfase)

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Fases)

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CLASSEN, Zenita Jade (Intermediêre en Senior Fases)

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CLULOW, Siobhan Keisha (Grondslagfase)

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CONRADIE, Dihanke (Intermediêre en Senior Fases)

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CROSS, Margeaux Lee (Grondslagfase)

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JACOBS, Tanya (Grondslagfase)

JAFTA, Gretchen (Intermediêre en Senior Fases)

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JEPHTA, Cante Chanelle (Grondslagfase)

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NEL, Miné (Intermediêre en Senior Fases)

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ROGERS, Meghan Jessica (Grondslagfase)

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SANTON, Fatimah (Intermediêre en Senior Fases)

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SCHOEMAN, Marli Christine (Grondslagfase)

SCHREUDER, Jana (Grondslagfase)

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SMITH, Kristi (Grondslagfase)

SMITH, Whitney Brunate (Intermediêre en Senior Fases)

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STRAUSS, Anchen (Intermediêre en Senior Fases)

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SWART, Jossi-Mari (Grondslagfase)

TALJAARD, Melinde (Grondslagfase)

THERON, Corali (Grondslagfase)

THERON, Kailee Tyla (Grondslagfase)

THERON, Mia (Intermediêre en Senior Fases)

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TURNER, Madelein (Grondslagfase)

UYS, Lené (Grondslagfase)

VAN DER MERWE, Hester Anna Maria (Grondslagfase) VAN DER MERWE, Mieke (Grondslagfase)

VAN NIEKERK, Meghan (Intermediêre en Senior Fases)

VAN REENEN, Aimee (Grondslagfase)

VAN ROOYEN, Lara (Intermediêre en Senior Fases)

VAN SCHALKWYK, Ané Mari (Intermediêre en Senior Fases)

VAN TONDER, Michelle (Intermediêre en Senior Fases)

VAN WYK, Lune (Grondslagfase)

VAN ZYL, Lizelia Natasha (Grondslagfase)

VENTER, Sane (Intermediêre en Senior Fases)

VERMAAK, Lieze-Charlotte (Grondslagfase)

VILJOEN, Talitha (Grondslagfase)

VISSER, Jacobus Christiaan (Intermediêre en Senior Fases)

VOLLMER, Chardene Theroleen (Intermediêre en Senior Fases)

WARD, Jessica (Grondslagfase)

WEST, Ghaneefa (Intermediêre en Senior Fases)

WHITE, Tayla Alice (Grondslagfase)

WHITTOCK, Jade Lee (Grondslagfase)

WIGGILL, Danielle Catherine (Grondslagfase)

WILLEMSE, Isabelle (Intermediêre en Senior Fases) WYNGAARDT, Chezlyn Ashne (Grondslagfase)

**BACCALAUREUS IN DIE OPVOEDKUNDE (ALGEMENE**

**ONDERWYS) CUM LAUDE (BEd (AlgOnd) CUM LAUDE)**

**BACHELOR OF EDUCATION IN GENERAL EDUCATION**

**CUM LAUDE (BEd (GenEd) CUM LAUDE)**

ANDREWS, Danera Ilara (Grondslagfase)

BENNETT, Melissa Nicole (Intermediêre en Senior Fases)

BEUKES, Emma (Grondslagfase)

BIESENBACH, Brigitte (Intermediêre en Senior Fases)

CAMPBELL, Amy Aquila (Grondslagfase)

CAMPBELL, Dorianne Joy (Grondslagfase)

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CLOETE, Magdel Elizabeth (Grondslagfase)

CORREIA, Cristina Paula (Intermediêre en Senior Fases)

DE VILLIERS, Tessa Michele (Grondslagfase)

DICKASON, Jacquelyn Antonette (Grondslagfase)

ENGELS, Liza-Mari Maria Elizabeth (Grondslagfase)

GANIEF, Ebrahim (Intermediêre en Senior Fases)

GILCHRIST, Sara (Intermediêre en Senior Fases)

GOUWS, Mieke (Grondslagfase)

JANSE VAN VUUREN, Shani (Grondslagfase)

KLEIN, Kelly (Grondslagfase)

LOURENS, Ilze (Grondslagfase)

MENDES, Nikita (Grondslagfase)

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MONNIG, Maryke (Intermediêre en Senior Fases)

NEL, Nellita Louise (Grondslagfase)

NOMPUMZA, Mkululi Dakana (Intermediêre en Senior Fases)

PARSONS, Mandy (Intermediêre en Senior Fases)

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ROBERTSON, Laura Ann (Grondslagfase)

ROODT, Kate (Intermediêre en Senior Fases)

SMITH, Kelly Khanita (Grondslagfase)

SMITH, Roxanne Pamela (Intermediêre en Senior Fases)

SOUPEN, Shanice Danielle (Intermediêre en Senior Fases)

SOUTHEY, Samantha Kay (Intermediêre en Senior Fases)

STEYN, Engela Ené (Grondslagfase)

ULLRICH, Chloe Ullrich (Grondslagfase)

VAN ZYL, Annemieke (Intermediêre en Senior Fases)

VISSER, Marizaan (Grondslagfase)

WILLIS, Gabriela Nicole (Grondslagfase)

**NAGRAADSE ONDERWYSSERTIFIKAAT**

**(NagrOnderwyssert)**

**POSTGRADUATE CERTIFICATE IN EDUCATION**

**(PGCertEd)**

ABRAHAMS, Bilqees

ADENDORFF, Louise

ADONIS, Venchesco Justin Benjamin

ANTHONY, Cameron Paul

ANTHONY, Olivia Anthea

ARENDSE, Joshuaré Kim

BAL, Mishka Evelyn

BARON, Kaylene Caroline

BATT, Leonard Coertse

BEER, Robyn Alexandra

BOONZAAIER, Erin Shimoné

BRAND, Anelda

BRIERS-LOUW, Marie Linde

BUYS, Naomi

COERTZE, Rebecca

CONSTABLE, Kay B-Ann

CROUS-DELPORT, Je'maine

DEDEKIND, Courtney

DI BONA, Samantha

DIXON, Desmond Lewis

DU PLESSIS, Courtney Sasha

ENGELBRECHT, Nataly Shaunice

ESTERHUIZEN, Werner Hugo

FOURIE, Carla

GILDENHUYS, Floris Visser

GILLESPIE, Micaela Simone

GORDON, Maxine Wendy

GOSSMANN, Megan Helen

GREENWOOD, Gareth Ross

GROBLER, Willem Ludolph

GROENEWALD, Darnelle

HANEKOM, Anesta Juhandre

HATTINGH, Lauren Adri

HENDRICKS, Chanté Nichole

HENDRICKS, Jessica

JACKMAN, Meagan

JACOBS, Vernorene Harriet

JAGERS, Roxanne Anastacia

JANUARIE, Adelicia Natasha

JERAM, Nabeel

JOHNSON, Chaundrey Marchelle

JOOSTE, Caleb Jason

JOUBERT, Carla Serina

JOUBERT, Jacques Beichter

JOUBERT, Samantha

KANNEMEYER, Nathan Lloyd

KASSIER, Cathryn

KEYS, Dylan Nathan

KIDSON, Lisha-Mari

KIESSLING, Marni

KNOETZE, Christelle Franciska

KOENZE, Lisa

KÖNIG, Christel

LAFITE, Amy

LAMPRECHT, Nikki

LANE, Jodie

LEWIS, Wade Lyle

LORIMER, Ashleigh Claire

LOTTERING, Janine Jasmine

MACK, Tertia Patricia

MARTIN, Jamie-Lee

MAY, Jacques Barend Petro

MBIRA, Thembile Ronald

MENTOOR, Michelle Joy

MINGO, Georgia Elaine

MINNAAR, Chadley

MOCKEY, Danielle Leigh

MOMBERG, Monique

MORTIMER, Elsje

MTYELA, Siyabulela

NAICKER, Kazlyn

NEETHLING, Gertruida Cornelia

NEL, Clarina Cecilia

OELOFSE, Niel

OWIES, Quintonlene Sherelene

PAULSE, Willene Adri

PEDRO, Jonathan Dylan

PETERSEN, Grace Danielle

PIENAAR, Riël

POWRIE, Lauren Jane

PRINCE, Dorianne

PRINS, Daniel

PRINS, Sanette

PRINSLOO, Megan

ROODE, Shelcon-Lee Rowan

ROSSOUW, Niel

ROUX, Paulus Adamus

RUSCONI, Gianpiero Enrico

RUST, Catharina Magdalena

SANDAN, Abduraoaf

SCHABORT, Erika

SCHENCK, Jonathan Mark Clive

SCOTT, Simone Mackensy

SEPTEMBER, Carine Ellen

SMAL, Mieke

SMITH, Pamela Ann

STANBURY, Joshua Aiden

THANDE, Bongeka Venus

THEART, Willene

UYS, Nikola

VAN DEN HEEVER, Kyla

VAN DER MERWE, Chene

VAN DER WESTHUIZEN, Jolise

VAN NIEKERK, Jeanine

VAN WYK, Leyanda Janine

VERMEULEN, André

WEYER-HENDERSON, Jo-Lee

WIEHMAN, Emma Annette

WILLEMS, Warren Josef

WILLIAMS, Carly Monique

WILLIAMS, Oslynne

**NAGRAADSE ONDERWYSSERTIFIKAAT CUM LAUDE**

**(NagrOnderwyssert CUM LAUDE)**

**POSTGRADUATE CERTIFICATE IN EDUCATION**

**CUM LAUDE (PGCertEd CUM LAUDE)**

ADAMS, Yumnah

ALCOCK, Paige Alice

BAXTER, Anja

BLIGNAUT, Jeanne

BODIAT, Nabeelah

BRINK, Celia Mari

CLAY-SMITH, Cyan Kelly

COLLINS, Kimberley Jade

DE LANGE, Johanna Maria

DIENER, Marjéan

DUNCAN, Odille Rosché

ELS, Cecelia Naomi

FORTUIN, Graham Stephen

FOURIE, Anchen

GROBBELAAR, Jacoléne

HATTINGH, Madelaine

HERMANS, Jodie

JANSEN, Tyler Ursula

JONKERS, Andrea Danielle

KHAN, Kay-Lynne Shaquille KOTZE, Dalinda

KRINSKY, Daniella

LAND, Santana

LOMBARD, Gabrielle MARAIS, Imke Louise

MAUERMANN, Ilona

McDONALD, Andrew Christopher

MEISSENHEIMER, Tinabeth Jowes

MOORE, Emma

MORRISON, Christopher James Hamilton

MOSES, Chanté Leanndré

MOSTERT, Helena Johanna

MYBURGH, Suzanne Madeleen

NAUDE, Yolandi NORTJE, Micola

O'LEARY, Graham Patrick

OOSTHUIZEN, Anje

OOSTHUIZEN, Elmarize

PATTERSON, Jessie Leigh

PETERSEN, Lauren Nicole

PIETERSE, Anna Beatrix

PIETERSE, Regina Catherina

PIETERSE, Wilma

PILKINGTON, Carl Ian

PRETORIUS, Ina-Mari

PRINS, Inemari

REYNOLDS, Nina

SAAIMAN, Petro Joey

SYMINGTON, Renette

TAYLOR, Lauren Sarah Hope

THOMSON, Molly Jean

VAN DER MERWE, Albertus Jacobus Wilhelmus

VAN EMMENIS, Leone

VAN GREUNEN, Ancheri

VAN NIEKERK, Eska Elizabeth

VAN ZYL, Kyla

VAN ZYL, Magdaleen

WALFORD, Lauren

WALTERS, Jacklynn

WILLIAMS, Carmen Lizelle

WILLIAMS, Emsee

WILTERS, Inge Merle

WÜST, Carli

ZWIEGELAAR, Elzanne

**NAGRAADSE DIPLOMA IN HOëR ONDERWYS IN ONDERRIG EN LEER (NGDip (Hoëronderwys-onderrig en leer))**

**POSTGRADUATE DIPLOMA IN HIGHER EDUCATION IN TEACHING AND LEARNING (PGDip (Higher Ed Teaching and Learning))** MAKAU, Kongko Louis

MANAKA, Mosepedi Sekei Michaeline

MAVUKWANA, Athi-Enkosi

OCTOBER, Melrick

PYPERS, Aileen Rosemary

RETIEF, Cornelis Janse

XEKETWANA, Andreas Simthembile

**NAGRAADSE DIPLOMA IN HOëR ONDERWYS IN**

**ONDERRIG EN LEER CUM LAUDE (NGDip**

**(Hoëronderwys-onderrig en leer) CUM LAUDE)**

**POSTGRADUATE DIPLOMA IN HIGHER EDUCATION IN**

**TEACHING AND LEARNING CUM LAUDE (PGDip**

**(Higher Ed Teaching and Learning) CUM LAUDE)** VAN DER MERWE, Stephanus Johannes Hoffman

**HONNEURS-BACCALAUREUS IN DIE OPVOEDKUNDE**

**(HonsBEd)**

**BACHELOR OF EDUCATION HONOURS (BEdHons)**

ABRAHAMS, Aa-Ieshah (Onderwysbestuur)

ARMAS, Ferdriek Igameka Dhiginina (Opvoedkundige Ondersteuning)

BASSON, Belinda Belia (Opvoedkundige Sielkunde)

BOTHA, Myrincia (Opvoedkundige Ondersteuning)

BRITS, Susan Alexis (Opvoedkundige Ondersteuning)

BRUINDERS, Clara (Opvoedkundige Ondersteuning)

CAMPBELL, Nicole Liesel (Opvoedkundige Ondersteuning)

CLOETE, Filomaine Martinique (Kurrikulumstudie)

CORAIZEN, Dustin Ché (Kurrikulumstudie)

DE SWARDT, Marné (Opvoedkundige Ondersteuning)

DE VILLIERS, Andre Stefanus (Onderwysbestuur)

DU TOIT, Charl Wessel (Onderwysbestuur)

DU TOIT, Ezelle (Opvoedkundige Ondersteuning)

DUBE, Bupelo (Kurrikulumstudie)

FRIEND, Camilla Leigh (Opvoedkundige Sielkunde)

GODZANA, Nwabisa (Opvoedkundige Ondersteuning)

GOUWS, Lenske (Opvoedkundige Ondersteuning)

HEATH, Kirstin Francis (Opvoedkundige Sielkunde)

HILL, Gayle Elizabeth (Opvoedkundige Ondersteuning)

JENKINS, Sarah-Leigh (Onderwysbestuur)

KOTZÈ, Celeste (Opvoedkundige Sielkunde)

LOUBSER, Nicola Mariaan (Opvoedkundige Sielkunde)

LOUW, Jana (Opvoedkundige Sielkunde)

LOXTON, Tarryn Lindsay (Kurrikulumstudie)

MACHELM, Udine Quanita (Opvoedkundige Sielkunde)

MATUSHE, Masakhane (Opvoedkundige Sielkunde)

MULLER, Jo-Mi (Onderwysbestuur)

MUPA, Oscar (Kurrikulumstudie)

MYBURGH, Lynette Amelda (Onderwysbestuur)

PRINS, Mariaan (Opvoedkundige Sielkunde)

RETIEF, Rikus (Onderwysbestuur)

SCHEEPERS, Merjo Sam-Lynn (Onderwysbestuur)

SCHOLTZ, Linda (Kurrikulumstudie)

SENEKAL, Jean-Mare (Kurrikulumstudie)

SMIT-ERASMUS, Louise (Opvoedkundige Ondersteuning)

VAN DER RHEEDE, Lucia (Opvoedkundige Ondersteuning)

VAN NIEKERK, Inge (Opvoedkundige Sielkunde)

VAN OLM, Trudi (Opvoedkundige Ondersteuning)

VAN TONDER, Angeliqué (Opvoedkundige Ondersteuning)

VAN WYK, Eustacia Nicole (Onderwysbestuur)

WATKINS, Ronette (Onderwysbestuur)

WILSON, Lerecia (Opvoedkundige Ondersteuning)

**HONNEURS-BACCALAUREUS IN DIE OPVOEDKUNDE**

**CUM LAUDE (HonsBEd CUM LAUDE)**

**BACHELOR OF EDUCATION HONOURS CUM LAUDE**

**(BEdHons CUM LAUDE)**

BLOM, Helani (Opvoedkundige Sielkunde)

BROWN, Tamryn (Opvoedkundige Sielkunde)

ENGELBRECHT, Juanita (Opvoedkundige Ondersteuning)

HALL, Sarah-Leigh Ella (Opvoedkundige Sielkunde)

LOVEMORE, Tarryn Shirley (Opvoedkundige Ondersteuning)

LUDDICK, Tarina (Opvoedkundige Sielkunde)

SCHWEDHELM, Kelly-Jaye (Opvoedkundige Ondersteuning)

SMIT, Solje Susan (Opvoedkundige Sielkunde)

VAN DER TOORN, Caitlin (Opvoedkundige Sielkunde)

**HONNEURS-BACCALAUREUS IN DIE OPVOEDKUNDE**

**IN ONDERWYSONTWIKKELING EN DEMOKRASIE**

**(HonsBEd (Onderwysontwikkeling en Demokrasie))**

**BACHELOR OF EDUCATION HONOURS IN**

**EDUCATION DEVELOPMENT AND DEMOCRACY**

**(BEdHons (Education Development and Democracy))**

ADONIS, Delyth Zita

ANDJAMBA, Maiya Namutenya Liina

ANGOLO, Toini Tuyeimo Ndapewa

BRODIE, Demi Dawn

COGILL, Lauren Jade

JANSE VAN RENSBURG, Michaela KOTZE, Zacharias Wilhelmus

MORGAN, Luciel Venesa

SMUTS, Hortense Frances

VAN WYNGAARD, Laura

**HONNEURS-BACCALAUREUS IN DIE OPVOEDKUNDE**

**IN ONDERWYSONTWIKKELING EN DEMOKRASIE CUM**

**LAUDE (HonsBEd (Onderwysontwikkeling en Demokrasie)**

**CUM LAUDE)**

**BACHELOR OF EDUCATION HONOURS IN**

**EDUCATION DEVELOPMENT AND DEMOCRACY CUM**

**LAUDE (BEdHons (Education Development and**

**Democracy) CUM LAUDE)** WATSON, Kerry Anne

**HONNEURS-BACCALAUREUS IN DIE OPVOEDKUNDE**

**IN OPVOEDKUNDIGE ONDERSTEUNING**

**(HonsBEd (Opvoedkundige Ondersteuning))**

**BACHELOR OF EDUCATION HONOURS IN**

**EDUCATIONAL SUPPORT (BEdHons**

**(Educational Support))** BLAINE, Danelle

BÜHRMANN, Martha Petronella

CLOETE, Sarah Jane

COETZEE, Catharina

DREYER, Shannon Gail

DUMINY, Carla

FANN, Jonathan Merrills

FOWLDS, Alice Sarah

GOW, Melanie Anne

GRAINGER, Catherine Elizabeth

HART, Kelly Justine

JOHNSON, Diana Juliet

MARAIS, Janis Augusta

MONG, Inge

MOSTERT, Yvonne

NGHIILWAMO, Paulina Meameno

PALMER, Annelize Jo-Éve

PETERSEN, Samantha Evelyn

PRETORIUS, Belinda Bisset

REIMERINGER-VISSER, Olivia Jade

SMITH, Carike

STRYDOM, Marie

UNDERWOOD, Candice Deeana

VAN DER WESTHUIZEN, Bianca

VOLLGRAAFF, Madri

WIDDICOMBE, Emily May

**HONNEURS-BACCALAUREUS IN DIE OPVOEDKUNDE**

**IN OPVOEDKUNDIGE ONDERSTEUNING CUM LAUDE**

**(HonsBEd (Opvoedkundige Ondersteuning) CUM LAUDE) BACHELOR OF EDUCATION HONOURS IN**

**EDUCATIONAL SUPPORT CUM LAUDE (BEdHons**

**(Educational Support) CUM LAUDE)**

DE VILLIERS, Rebecca Jane VORSTER, Shirley-Kate

WALES, Julia Kate

**HONNEURS-BACCALAUREUS IN DIE**

**NATUURWETENSKAPPE IN SPORTWETENSKAP**

**(HonsBScSportwet)**

**BACHELOR OF SCIENCE HONOURS IN SPORT**

**SCIENCE (BSc Sport ScHons)**

ADONIS, Emilia (Kinderkinetika)

ALLISON, Riaan Clifford (Prestasiesport)

BADENHORST, Alicia (Kinderkinetika)

BERNARDO, Bjorn Andre (Prestasiesport)

BLACK, Arnu (Kinderkinetika)

BOWERS, Sueneille Marise (Kinderkinetika)

BURGER, Jana (Prestasiesport)

CAMPLEMAN, Sean-Michael Lando (Prestasiesport)

CHARRON, Tara Tineka (Prestasiesport)

COETZEE, Machiel Coenraad (Prestasiesport)

DAVIS, Nikita (Prestasiesport)

DONKIN, Cameron James (Prestasiesport)

DU PLESSIS, Megan (Kinderkinetika)

EDMUNDS, Jonathan Antony (Prestasiesport)

ENGELBRECHT, Megan (Kinderkinetika)

GOUWS, Hendrik Andries (Prestasiesport)

HAYWOOD, Gemma (Prestasiesport)

HENEGAN, Dane Michael (Kinderkinetika)

HORN, Michael Fredrick (Prestasiesport)

LAROS, Sebastian Francis (Prestasiesport)

LOUBSER, André (Prestasiesport)

MEESER, Kate (Kinderkinetika)

PRINS, Justin Lee (Prestasiesport)

QACHA, Mzingwana (Prestasiesport)

ROBERTS, Jaide Tayla (Kinderkinetika)

SCHOEMAN, Susanna Fransina (Prestasiesport)

SEHA, Daniel Serge Alain (Prestasiesport)

SOLOMONS, Jocelyn (Prestasiesport)

STEWART, Reeco Paul (Prestasiesport)

VAN DEN HEEVER, Seth Adrian (Prestasiesport)

WELHAM, Victoria Grace (Prestasiesport)

WINTERBACH, Johann-Carl Handre (Kinderkinetika)

**HONNEURS-BACCALAUREUS IN DIE**

**NATUURWETENSKAPPE IN SPORTWETENSKAP**

**CUM LAUDE (HonsBScSportwet CUM LAUDE)**

**BACHELOR OF SCIENCE HONOURS IN SPORT**

**SCIENCE CUM LAUDE (BSc Sport ScHons CUM LAUDE)**

BATH, Lauren Patricia (Kinderkinetika)

BOTHA, Sharnay (Kinderkinetika)

COETZEE, André Matthew (Prestasiesport)

DIACON, Nathalie (Prestasiesport)

KOCH, Andrea (Prestasiesport)

PRETORIUS, Johanna Mercia (Prestasiesport)

**HONNEURS-BACCALAUREUS IN DIE**

**NATUURWETENSKAPPE IN BIOKINETIKA (HonsBSc**

**(Biokinetika))**

**BACHELOR OF SCIENCE HONOURS IN BIOKINETICS**

**(BScHons (Biokinetics))**

BARNES, Konrad Abraham

BOTHA, Ciara Lauren

CAMMELL, Holly Frances

CILLIERS, Petrus Jacobus

COETZEE, Nicholas John Karel DE PINA, Suzana Lara Fonseca DU PLESSIS, Caitlin Michelle EVE, Peter James Halliday

GERBER, Amy Marion

KÖNIG, Inge

LUBBE, Marike Hannelore

MÖLLER, Johanna Christina

OLIVIER, Anja

PARSONS, Samantha Lee

PILLAY, Joy Catherine

RAMSAY, Nicole Catherine

RIDDELL, Sean David

SCOTT, Byron

SICKEL, Desiree

VAN TONDER, Michael Fredrick

WICOMB, Kirsten Mare

**HONNEURS-BACCALAUREUS IN DIE**

**NATUURWETENSKAPPE IN BIOKINETIKA CUM LAUDE**

**(HonsBSc (Biokinetika) CUM LAUDE)**

**BACHELOR OF SCIENCE HONOURS IN BIOKINETICS**

**CUM LAUDE (BScHons (Biokinetics) CUM LAUDE)**

DE KOCK, Michaela

VAN DYK, Karla

**HONNEURS-BACCALAUREUS IN DIE OPVOEDKUNDE**

**IN TAALONDERWYS (HonsBEd (Taalonderwys))**

**BACHELOR OF EDUCATION HONOURS IN LANGUAGE**

**EDUCATION (BEdHons (Language Education))**

PRETORIUS, Dewald Johannes

SIGONYELA, Simphiwe Michael

**HONNEURS-BACCALAUREUS IN DIE OPVOEDKUNDE**

**IN TAALONDERWYS CUM LAUDE (HonsBEd**

**(Taalonderwys) CUM LAUDE)**

**BACHELOR OF EDUCATION HONOURS IN LANGUAGE**

**EDUCATION CUM LAUDE (BEdHons (Language**

**Education) CUM LAUDE)**

LOUIS, Monique

PEDRO, Marné

**MAGISTER IN DIE WYSBEGEERTE (MPhil)**

**MASTER OF PHILOSOPHY (MPhil)**

SMIT, Noel Patrick (Onderwys en Opleiding vir Lewenslange Leer)

**MAGISTER IN DIE WYSBEGEERTE CUM LAUDE**

**(MPhil CUM LAUDE)**

**MASTER OF PHILOSOPHY CUM LAUDE**

**(MPhil CUM LAUDE)**

CRONJE, Franci (Hoër Onderwys)

**MAGISTER IN DIE NATUURWETENSKAPPE IN**

**SPORTWETENSKAP (MSc in Sportwetenskep)**

**MASTER OF SCIENCE IN SPORT SCIENCE**

**(MSc in Sport Science)** KRUYT, Ninette ROODT, Odelia

VAN ZYL, Analja

WINTERBACH, Karin

**MAGISTER IN DIE NATUURWETENSKAPPE IN**

**SPORTWETENSKAP CUM LAUDE**

**(MSc in Sportwetenskep CUM LAUDE)**

**MASTER OF SCIENCE IN SPORT SCIENCE CUM LAUDE**

**(MSc in Sport Science CUM LAUDE)** BASSON, Jacques Renier

**MAGISTER IN DIE OPVOEDKUNDE IN**

**OPVOEDKUNDIGE SIELKUNDE (MEdPsig)**

**MASTER OF EDUCATION IN EDUCATIONAL**

**PSYCHOLOGY (MEdPsych)**

ALDRICH, Marisa

DE VILLIERS, Ayesha Miandre

POOLE, Adele

WALL, Juante

**MAGISTER IN DIE OPVOEDKUNDE (MEd)**

**MASTER OF EDUCATION (MEd)**

BARNARD, Jacques (Kurrikulumstudie)

SWARTS, Jerry (Opvoedingsbeleidstudie)

VAN GEEMS, Cibella Maria (Opvoedingsbeleidstudie)

**MAGISTER IN DIE OPVOEDKUNDE CUM LAUDE**

**(MEd CUM LAUDE)**

**MASTER OF EDUCATION CUM LAUDE**

**(MEd CUM LAUDE)**

BAILEY, Yolanda Michelle (Opvoedingsbeleidstudie)

KNOETZE, Frederik Willem Matthys (Kurrikulumstudie)

***Fakulteit Krygskunde***

***Faculty of Military Science***

***IFakhalthi yezobuNzululwazi kwezoMkhosi***

**BACCALAUREUS IN DIE KRYGSKUNDE (BMil)**

**BACHELOR OF MILITARY SCIENCE (BMil)**

BARNARD, Nastassja

BEN, Nwabisa

BUTHELEZI, Jabulile

CHILOANE, Rodney Kevin

DIKO, Sandisile

DLAMINI, Londiwe Fortunate

FERREIRA, Sonia

GOVENDER, Mirvashan

HADEBE, Mandlakayise Thathokuhle

JACOBS, Heathcliffe

JACOBS, Jade Christopher

KIWALA, Kanyetu Emmanuel

LEDWABA, Thabiso Vincent

LENYORA, Goodwin Thapelo

LIBAZI, Nosipho Bridgette

LIJO, Nooanyana

MAHLAKU, Refilwe Maria

MALATJI, Hans Mangenge

MALATSI, Gugulethu Kufasana

MANOTO, Serame Moses

MAQOLO, Samkelo

MASELELA, Tebogo Lazarus

MASHILO, Bongane

MASINA, Nonhlanhla Elsie

MATSHAYANA, Phumlile

MLANGENI, Nhlanhla Steven

MOALUSI, Moalusi Alfred

MOHLALA, Mabye Meltha

MOKHARI, Promise Angelina

MOLEKOA, Prince Johannes Matia

MOSES, Lyle Terrick

MOSES, Moesfieka Abrionia

MOTLELE, Isaac Pule

MPHAHLELE, Charity

MTENGENYA, Nontsha Sybil

MYAKA, Mdumiseni Mechack

MZIMBA, Lunga Mohambi Johannes

MZIMBA, Monewa Malebo Daphney

NEELS, Mariska

NEMAULUMA, Tshifhiwa Ernest

NHLAPHO, Lindelani Wennzel

NTETHA, Zimasa

RADEBE, Bhungane

RADITSABENG, Olgah Canyiwe

SEBAPU, Theresa Mbali

SEKGOBELA, Derick

SIMPSON, Colin

SINTHUMULE, Phophi

SOLOMONS, Timothy Iydhann Dugald

TALABA, Simphiwe

TEANE, Tshegofatso Odirile

THWALA, Celumusa Gracious

TSUWANE, Takalani

VAN WYK, Trudy Lucia

VUKEA, Matimu Mackdonald

ZWANE, Robens Letlhogonolo

**HONNEURS-BACCALAUREUS IN DIE KRYGSKUNDE**

**(HonsBMil)**

**BACHELOR OF MILITARY SCIENCE HONOURS**

**(BMilHons)**

BVUMA, Sibongile Remind (Bedryfsielkunde (Mil))

DE WET, Nicholas Johannes (Krygsgeskiedenis)

KLEYNHANS, Yolika Johanna (Bedryfsielkunde (Mil))

LUZIPO, Palesa Yolanda (Bedryfsielkunde (Mil))

MAHLELEHLELE, Tumelo Clement (Bedryfsielkunde (Mil))

MASHATOLA, Ngoako Japhta (Bedryfsielkunde (Mil))

MKHIZE, Vannesa (Militêre Geografie)

MOKHUANE, Oarabile (Bedryfsielkunde (Mil))

MOTHOA, Doctor Andries (Bedryfsielkunde (Mil))

NARRAINSAMY, Laicken Neelam (Militêre Geografie)

NDWANDWE, Mbongeni Nelson (Bedryfsielkunde (Mil))

SCOUT, Rhondine Candice (Openbare en Ontwikkelingsbestuur

(Mil))

SELOMO, Tapale Ernest Junior (Militêre Strategie)

WINSTER, Eon Heinrich Justin (Bedryfsielkunde (Mil))

**HONNEURS-BACCALAUREUS IN DIE KRYGSKUNDE**

**CUM LAUDE (HonsBMil CUM LAUDE)**

**BACHELOR OF MILITARY SCIENCE HONOURS**

**CUM LAUDE (BMilHons CUM LAUDE)**

JOSEPH, Darren Christopher (Organisasie- en Hulpbronbestuur)

MAKHATHINI, Thulile Nokwethemba (Bedryfsielkunde (Mil))

NZIMANDE, Zinhle Londiwe (Bedryfsielkunde (Mil))

**MAGISTER IN DIE WYSBEGEERTE (MPhil)**

**MASTER OF PHILOSOPHY (MPhil)**

NKOSI, Remsis Mfana (Sekuriteitsbestuur)

**MAGISTER IN DIE KRYGSKUNDE (MMil)**

**MASTER OF MILITARY SCIENCE (MMil)**

GEYSER, Alwyn Petrus (Militêre Geografie)

WARDEN, Herman (Veiligheid- en Afrikastudie

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| --- |
| **KANSELIERSTOEKENNINGS / CHANCELLOR’S AWARDS / AMABHASO KATSHANSILA**  *Departement Kurrikulumstudie*  *Department of Curriculum Studies*  *ISebe leZifundo zeKharityhulam*  **PROF LLL LE GRANGE**  ie sowat 200 publikasies uit uitgelese professor Lesley leith some 200 publications from his pen, distinguished Grange se pen maak hom die produktiefste navorser inprofessor Lesley le Grange is the most productive  D  W |

die geskiedenis van die Departement Kurrikulumstudie aan die Universiteit Stellenbosch. Hierdie innoveerder op die gebied van kurrikula en onderrig is ’n kernbydraer tot die Universiteit se strewe na uitnemendheid deur voortgesette kurrikulum- vernuwing. Le Grange se verkiesing tot genoot van die *Royal Society of Biology* in 2015, en herkiesing tot ondervoorsitter van die Internasionale Vereniging vir die Bevordering van Kurrikulum studie (IAACS) in 2017, getuig van sy kundigheid op sowel wetenskaponderrig- as kurrikulumo ntwikkelings gebied. As ’n voorloper op sy terrein, het hy al verskeie toe- kennings ontv ang, waaronder agt Rektors toekennings vir uitnemendh eid en twee Viserektors toekennings vir na- vorsingsp roduk tiwiteit van die Universiteit Stellenbosch, sowel as die medalje vir beste jong navorser, die Santam-medalje vir navorsingsu itnemend heid en ’n erep enning, alles van die Op voedk unde vereniging van Suid-Afrika.

|  |
| --- |
| *Universiteit Stellenbosch Sentrum vir Pedagogie*  *Stellenbosch University Centre for Pedagogy*  *IZiko lobuNgcali bokuFundisa leYunivesithi yaseStellenbosch*  **DR T VAN LOUW** |

researcher in the history of Stellenbosch University’s Depart- ment of Curriculum Studies. His innovative work in the field of curricula and teaching makes him instrumental in the University’s pursuit of excellence through ongoing curriculum renewal. Le Grange’s election as fellow of the Royal Society of Biology in 2015, and re-election as vice-president of the International Association for the Advancement of Curriculum Studies in 2017, attest to his expertise in both science teaching and curriculum development. As a frontrunner in his field, he has received several awards, including eight Stellenbosch Univer sity Rector’s excellence awards, two Vice-Rector’s awards for research productivity, as well as the Young Researcher medal, Santam medal for research excellence and a medal of honour, all from the Education Association of South Africa.

D

r Trevor van Louw se persoonlike oortuiging dat onderwys die sleutel tot ontwikkeling en bevryding is, blyk duidelik uit sy uitnemende werk as direkteur van die Universiteit Stellenbosch Sentrum vir Pedagogie (SUNSEP). Onder sy bekwame leiding het SUNSEP ’n stewige nasionale voetspoor op die gebied van opvoedkundige ontwikkeling ge- bou. Die Sentrum se twee universiteitsvoorbereidings programme SchiMathUS en HOPE@Maties – laasgenoemde deur Van Louw persoonlik aangevoor – bied leerders ’n ge- leentheid om hulle graad 12-punte te verbeter en sodoende hulle droom te bewaarheid om toegang tot die hoër onderwys te verkry. SUNSEP se sewe gevorderde diplomakursusse in die opvoedkunde bou weer broodnodige vermoë onder onder- wysers. Aan die stuur van SUNSEP blink dié driemalige ont- vanger van ’n Rektorstoekenning, nagraadse studieleier en openbare spreker uit in die strewe na breër toegang en sterker sosiale impak vir die Universiteit.

D

r Trevor van Louw’s outstanding work as director of the

Stellenbosch University Centre for Pedagogy (SUNCEP) mirrors his personal conviction that education is key to development and liberation. Under his capable leadership, SUNCEP has established a solid national footprint in the field of educational development. The Centre’s two university pre- paration programmes SchiMathUS and HOPE@Maties – the latter personally initiated by Van Louw – offer learners an opport unity to improve their Grade 12 marks and turn their dream of accessing higher education into reality. SUNCEP’s seven advanced diploma programmes in education, in turn, build much-needed capacity among teachers. At the helm of SUNCEP, this three-time recipient of a Rector’s award, super- visor for postgraduates and public speaker excels in the pursuit of broader access and a stronger social impact for the University.

# PROGRAM VIR DIE VIERDE PLEGTIGHEID

## DIE FAKULTEIT EKONOMIESE EN BESTUURSWETENSKAPPE (GROEP A)\*

*’n Vriendelike beroep word op alle aanwesiges gedoen om selfone af te skakel en nie die saal tydens die plegtigheid te verlaat nie om sodoende te verseker dat die verrigtinge sonder ontwrigting verloop.*

1. Akademiese prosessie kom die saal binne. U word versoek om te staan terwyl hulle die saal binnekom en te bly staan vir die sing van die Nasionale Lied.
2. Sing van die Nasionale Lied (kyk binneagterblad). Neem asseblief daarna u sitplekke in.
3. Konstituering deur die Kanselier.
4. Verwelkoming deur die Kanselier en prof X Simon.
5. Voorstelling van kandidate wat kwalifikasies ontvang deur die dekaan van die fakulteit en toekenning van kwalifikasies deur die Kanselier.
6. Voorstelling van kandidate vir Kanselierstoekennings en oorhandiging van die toekennings deur die Kanselier.
7. Sluiting deur die Kanselier.
8. Akademiese prosessie verlaat die verhoog.

*Die aanwesiges word versoek om te bly staan totdat die akademiese prosessie uitgestap het.*

*\*Groep A: Dipl Openbare Verantw, ND Besigheidsbest en -admin, ND Dispuutbesl, ND Fin Bepl, ND Leierskapontw,*

*ND Omgewingsbest, ND Ontwikkelingsfin, ND Projekbest, ND Toekomsstudie, ND Volhoubare Ontw,*

*HonsBCom (Openb en Ontwikkelingsbest), HonsBPA, MPhil (Bestuursafr, Omgewingsbest, Ontwikkelingsfin,*

*Toekomsstudie, Volhoubare Ontw), MPA, MBA, BRek, BRekLLB, HonsBRek, MRek*

# PROGRAMME FOR THE FOURTH CEREMONY

## THE FACULTY OF ECONOMIC AND MANAGEMENT SCIENCES (GROUP A)\*

*To help ensure that the proceedings run their course without disruption, will all those present kindly keep their cell phones switched off, and refrain from leaving the hall, while the ceremony is in progress.*

1. Entrance of academic procession into the hall. You are requested to stand while it enters, and then to remain standing for the singing of the National Anthem.
2. Singing of the National Anthem (see inside back cover). Thereafter, please be seated.
3. Congregation formally constituted by the Chancellor.
4. Welcome by the Chancellor and Prof X Simon.
5. Presentation of candidates receiving qualifications by the dean of the faculty and conferment of qualifications by the Chancellor.
6. Introduction of candidates for Chancellor’s Awards and presentation of the awards by the Chancellor.
7. Closing by the Chancellor.
8. The academic procession leaves the stage.

*Those present are requested to remain standing until the entire academic procession has left the hall.*

*\*Group A: Dip Public Res, PGDip Bus Man and Admin, PGDip Disp Res, PGDip Fin Plan, PGDip Leadership,*

*PGDip Env Man, PGDip Dev Fin, PGDip Proj Man, PGDip Futures Study, PGDip Sustainable Dev,*

*BComHons (Public and Dev Man), BPAHons, MPhil (Man Coaching, Env Man, Dev Fin, Futures Study, Sustainable Dev), MPA, MBA, BAcc, BAccLLB, BAccHons, MAcc*

*isiXhosa*

# ISICWANGCISO-NKQUBO SOMSITHO WESINE

## IFAKHALTHI EYEZEENZULULWAZI KWEZOQOQOSHO NOLAWULO (IQELA A)\*

*Ukuqinisekisa ukuba umsitho uqala ngaphandle kwesiphazamiso, bonke abakhoyo bayacelwa ukuba bacime iiselfowuni zabo, kwaye bangaphumi eholweni ngeli xesha umsitho uqhubekayo.*

1. Kungena komkhosi wemithika eholweni. Niyacelwa ukuba nime ngeenyawo xa ungena, nihlale nime njalo ukuze kuculwe uMhobe weSizwe.
2. Kuculwa uMhobe weSizwe (Jonga kumphakathi weqweqwe lokugqibela). Emva koko, ningahlala phantsi.
3. UMsitho uvulwa ngokusesikweni nguSekela-Tshansila.
4. Ulwamkelo lwenziwa nguSekela-Tshansila noNjing X Simon.
5. Ukunikezelwa kwezingqini-mfundo kubafundi yintloko yefakhalthi (idin) echaphazelekayo nokuthweswakwezingqini-mfundo nguSekela-Tshansila.
6. Ukwaziswa kwabagqatswa beBhaso likaTshansila nokunikezwa kwamabhaso nguSekela-Tshansila.
7. Ukuvalwa koMsitho nguSekela-Tshansila.
8. Umkhosi wemithika uyalishiya iqonga.

*Bonke abakhoyo bayacelwa ukuba beme ngeenyawo de umkhosi wemithika ube uphume wonke eholweni.*

*\*IQela A: Dip Public Res, PGDip Bus Man and Admin, PGDip Disp Res, PGDip Fin Plan, PGDip Leadership,*

*PGDip Env Man, PGDip Dev Fin, PGDip Proj Man, PGDip Futures Study, PGDip Sustainable Dev,*

*BComHons (Public and Dev Man), BPAHons, MPhil (Man Coaching, Env Man, Dev Fin, Futures Study,*

*Sustainable Dev), MPA, MBA, BAcc, BAccLLB, BAccHons, MAcc*

**KANDIDATE WAT KWALIFIKASIES ONTVANG**

*Die grade, diplomas en sertifikate van kandidate wat nie by die gradeplegtigheid teenwoordig kan wees nie, word in hulle afwesigheid toegeken.*

**CANDIDATES RECEIVING QUALIFICATIONS**

*The degrees, diplomas and certificates of candidates who are unable to attend the graduation ceremony in person are awarded in absentia.*

**ABAFUNDI ABAFUMANA IZINGQINI-MFUNDO**

*Izidanga, iidiploma kunye nezatifiketi zabafundi abangakwazanga ukubakho ubuqu kumsitho wothweso-zidanga bathweswa bengekho benjalo.*

**DOKTORSGRADE DOCTORATES EZOBUGQIRHA**

***Fakulteit Ekonomiese en Bestuurswetenskappe***

***Faculty of Economic and Management Sciences***

***IFakhalthi eyeeNzululwazi kwezoQoqosho noLawulo***

**PhD**

CLOETE, Gideon Stephanus (Business Management and Administration)

*Towards re-imagining the roles of change agents from a critical complexity perspective: an exploratory research approach*

This dissertation re-ascribes the role of organisational change agents by reconceptualising the notions of identity and spirituality through a critical complexity lens. Through action research the candidate employed the method of co-operative inquiry to engage with organi- sational consultants in the Western Cape to explore how the notion of ‘changemakers’ could shift to that of ‘systems change curators’ who are equipped to embrace complexity thinking, navigate ambiguity and incongruence, understand the self as being constituted relationally, and capable of co-creating resilient heuristics. As a result the candidate developed a deeper understanding of change agency and advanced innovative solutions for co-creating alternative change approaches.

*Supervisor:* Dr R Preiser

*External Co-supervisor:* Prof W Schurink

IDAHOSA, Love Odion (Business Management and Administration)

*Energy and water demand management in the tourism accommodation industry: evidence from South Africa*

This dissertation focused on energy and water demand management in the tourism accommodation industry. The study explores the issue of resource management within the context of environmental sus- tainability in the tourism accommodation industry in South Africa. The focus on South Africa is very appropriate given the past energy crises in the country and the current water crisis in the Western Cape, where the primary research has been conducted. The detailed analysis of issues around energy and water management is a valuable addition to the limited research undertaken in South Africa.

*Supervisor:* Dr JO Akotey

*Co-supervisor:* Dr N Marwa

MBAVA, Nombeko Patience (Public and Development Management)

*The potential value of the realist evaluation method in programme impact evaluations in South Africa*

The research discusses realist evaluation as a theory-based evaluation method that investigates both internal and external validity. Realist evaluation extends current evaluation practice by not only proving what works, but also the causal mechanisms on why it works, for whom it works and under which circumstances. The research finds that applying the realist evaluation method to impact evaluations offers improved findings and more useful recommendations to policy makers. The Realist Evaluation Impact Evaluation Assessment Model, applicable to African monitoring and evaluation contextual conditions, advances evaluation findings that are meaningful, have utility value and aid in evidence-informed policy-making. *Supervisor:* Dr B Rabie

NTSALAZE, Lungile (Development Finance)

*The effects of indebtedness on multidimensional poverty*

This dissertation investigated the effects of household debt on multi- dimensional poverty using National Income Dynamics Study (NIDS) data. The research conducted has made a significant cont ribution in the areas of policy and methodology approach addressing developmental changes facing not only South Africa, but developing countries in general. A new index of measuring multidimensional poverty in South Africa that is simple and robust has been developed. The index and approach adopted have a possibility of being adopted to analyse similar issues in different economic environments. By providing a plausible link between poverty and overindebtedness, the dissertation has raised the consciousness and created a new perspective to possible policy measures that can be utilised to redress poverty through financial access and inclusiveness.

*Supervisor:* Prof S Ikhide

RAMLUCKAN, Sandheep (Business Management and Administration)

*Entrepreneurial strategic thinking in the context of uncertain decisionmaking environments: a cognitive perspective of opportunity recognition*

This dissertation aims to document the cognitive structures involved in opportunity recognition among novice and expert entrepreneurs by employing a grounded theory research approach. This study utilised a qualitative approach to examine entrepreneurial decision making in the context of uncertainty, considering cognitive states and perceptions. Grounded theory methodology, supported by cognitive mapping, was adopted. The decision making of expert and novice entrepreneurs were explored relative to the context of effectuation and causation processes. Findings support opportunity recognition theory development and indicate that novice and expert entrepreneurs utilise different knowledge platforms to navigate potential new market challenges. Opportunity recognition differs with novice entrepreneurs being supply-driven while expert entrepreneurs are demand-driven. A theoretical foundation for introducing the construct of entrepreneurial satisficing into the entrepreneurship domain is presented. *Supervisor:* Prof M Terblanche-Smit

SHUMUYE, Muleta Yirga (Public and Development Management)

*The role of the development state in Northern Ethiopia’s Raya Valley groundwater irrigation project: an institutional economics perspective*

Many African economies have grown rapidly since the mid-1990s, prompting governments to adopt the ‘developmental state’ model. With a focus on Ethiopia’s unique approach, this study reviews the research done to date on the application of this model in Asia, Latin America and Africa and concludes that it has significant advantages. The argument is tested via a case study of the Raya Valley groundwater irrigation scheme. The Raya Valley groundwater irrigation case study revealed how the Ethiopian developmental state built context-specific institutions for sustainable development at grass-roots level. However, the long-term viability of these state-funded institutions needs to be reviewed. *Supervisor:* Prof M Swilling

*Co-supervisor:* Dr F Khan

VAN DER WALT, Viljoen (Business Management and Administration)

*An integrated strategy and risk management approach for public universities in South Africa*

In his dissertation the candidate investigates several structures of risk management and strategy formulation to determine how risk management can be integrated into a strategy formulation process. He develops an integrated approach to a strategic management process that will ensure the formulation of a business strategy and the setting of a realistic risk appetite. A valuable contribution is made to the field of risk management by providing a platform for all businesses to pro- actively identify and mitigate risk exposures, which could potentially have a negative influence on business strategies.

*External Supervisor:* Prof J Young

*Internal Co-supervisor:* Prof E vdM Smit

VAN LOGGERENBERG, Marthinus Johannes Coetzee (Business

Management and Administration)

*The strategic value of authentic narrative in branded entertainment: an exploratory study of the perspective of globally recognised brand communication decision makers*

This PhD study investigated the strategic value of authentic narrative in branded entertainment. The candidate interviewed globally recognised brand communication decision leaders across six continents, and used those insights to develop a conceptual framework for the planning and execution of branded entertainment for brand resonance. The can- didate is lauded by external examiners for contributing knowledge and research of significance to brand and communication managers worldwide.

*External Supervisor:* Dr C Enslin

*Co-supervisor:* Prof M Terblanche-Smit

VAN ZYL, Hendrik Johannes Christoffel (Business Management and

Administration)

*Modelling the determinants of the business performance of small and micro accommodation enterprises in the formal sector in South Africa*

This study investigated the interrelationships between the Kirznerian and Schumpeterian entrepreneur types, decision styles, decision con- text prioritisations and strategic orientations as determinants of small accommodation enterprise performance within the formal South African tourism sector. The main determinants to small accommo- dation enterprise performance, as modelled by this study, were found to be the possession of a growth-oriented mindset, the utilisation of a cognitive decision style and the application of a market strategic orien- tation. The link between Kirznerian and Schumpeterian entrepreneur types and small accommodation enterprise performance was additio- nally found to be through the mediating role of a market strategic orientation.

*Supervisor:* Dr B Mathur-Helm

VISSER, Abraham Johannes (Public and Development Management)

*Collaborative governance: a holistic approach to managing the methamphetamine problem in the Western Cape*

This dissertation deals with the very topical issue of the management of the methamphetamine problem in the Western Cape. Furthermore the research addressed the absence of an effective holistic and multidimensional management approach to the Western Cape’s methamphe- tamine problem. The candidate then found collaborative governance to be a suitable management approach to be implemented to manage the problem effectively and to secure public value. *Supervisor:* Prof FM Uys

VLOK, Abraham (Business Management and Administration)

*A competency profile for technology innovation leaders in knowledgeintensive organisations in South Africa*

The innovation economy is linked to advancements in science and technology that create new opportunities for innovation. These developm ents create leadership challenges for those leading teams where new scientific knowledge creation for successful technology innovation is a priority. This study developed a view on the com- petencies and competency clusters of successful technology innovation leaders operating in different disciplines, institutions and technology domains. The study produced an integrative innovation leadership model and competency profile for technology innovation that was statistically verified.

*Supervisor:* Prof M Ungerer

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| --- |
| **ANDER KWALIFIKASIES OTHER QUALIFICATIONS EZINYE IZINGQINI-MFUNDO** |

*Co-supervisor:* Prof DJ Malan

***Fakulteit Ekonomiese en Bestuurswetenskappe***

***Faculty of Economic and Management Sciences***

***IFakhalthi yezeeNzululwazi kwezoQoqosho noLawulo***

**DIPLOMA IN OPENBARE VERANTWOORDBAARHEID**

**(DipOpenbVerantw)**

**DIPLOMA IN PUBLIC ACCOUNTABILITY (DipPublAcc)**

ADONIS, Dawid Jacobus

BARNARD, Nicolene Yvette

BLAAR, Victor

DAUTH, Hetta Isabella

GOUWS, Berdien

GOVENDER, Previn Devalingam

JACOBS, Dalleel

KOCK, Natasha

LOUW, Sharion Elze

MEIRING, Gerdriana

MEYER, Gillian

MITCHELL, Henry Titus Jacob

MOOIMAN, Lindsay Claire

MORGAN, Anthony Johannes

NKOSINKULU, Alfred Mzwandile

PETERSEN, Clinton Mario

PETERSEN, Jerome Clive

PHILLIPS, Eben Oliver

PIENAAR, Adri

SCHUTTE, Juanita Elizabeth

STUURMAN, Brendon Warren Branwill

SULUBA, Zoleka Monica

VIMBI, Mhlambiso

WILLIAMS, John

**DIPLOMA IN OPENBARE VERANTWOORDBAARHEID**

**CUM LAUDE (DipOpenbVerantw CUM LAUDE)**

**DIPLOMA IN PUBLIC ACCOUNTABILITY CUM LAUDE**

**(DipPublAcc CUM LAUDE)**

APRIL, Antonecia Claudette

DARIES, Willene Janice

EKSTEEN, Micheal Chistiaan

HANSEN, Rozain Harriet

JOUBERT, Werner Charles

KRITZINGER, Aletta Martha Jocoba

VAN HEERDEN, Mariska

**BACCALAUREUS IN REKENINGKUNDE EN**

**BACCALAUREUS IN DIE REGSGELEERDHEID (BRekLLB)**

**BACHELOR OF ACCOUNTING AND BACHELOR OF**

**LAWS (BAccLLB)**

ERASMUS, Daniela Aletta

HENN, Nina

JORDAAN, Etienne

JOUBERT, Wilene

KEET, William Robin

LOUBSER, Nic

MASEROW, Saul Daniel

OELLERMANN, Christoph Ludwig

ROPER, Shay Courtney

VAN HEERDEN, James Jeremy VAN WYNGAARD, Nicole

**BACCALAUREUS IN REKENINGKUNDE (BRek)**

**BACHELOR OF ACCOUNTING (BAcc)**

AREND, Malikah

AVENANT, Pierre

BADENHORST, Louise Frances

BERRY, Jack Richard

BESSELAAR, Carmen Joey

BESTER, Frederick Christoffel Johannes

BIEBUYCK, Lauren

BOTHA, Frederik Stefanus

BOTHA, Ingrid

BOTTEN, Courtney Meagan

BOUGAARD, Chante Lauren

BOUGAS, Robert le Roux

BRIEDENHANN, Christine Magdalene

BRIGHTON, Zunika

BRÖNN, Petrus Juwán

BRYANT, Richard Gordon BURGER, Daniël Conradie BURGESS, Darryl Darren

CAILLET, Juvan

CARELSE, Candice Lavern COETZEE, Bernalé Elzane

COETZEE, Jeanette

COETZEE, Pieter Steyn CRAIG, Brendan Stuart CROMHOUT, Megan

DA SILVA, Jacinto

DAVIDS, Zaakirah

DE LANGE, Pieter Willem DE NYSSCHEN, Dylan DE VOS, Celine Kay

DLAMINI, Mhlangabezi DLEPHU, Thandokazi

DU PLESSIS, Abrie

DU PLESSIS, Andreas

DU TOIT, Francois Jacobus

DU TOIT, Jandré

DU TOIT, Josias Wessels

DU TOIT, Sume

DUFFY, Logan Peter

ELLIOT-WILSON, Monique

ELLIOTT, Matthew James

ENGELBRECHT, Ovelia Lizette

ERASMUS, Louis Willem Rasmus ESPACH, Elizabeth

FAHRENHEIM, Nicholas Charles

FOURIE, Kirstyn Nicole

FOURIE, Liam

GENIS, Eben

GEYER, Brittny Demi

GIAMOURIDIS, Efstratios

GONTEB, Immanuel Khitago Andy

GOOSEN, Jamie-Lee

GRIEVE, David Ramsay

GUNTHER, Craig

HANKEY, Jared

HAUPT, Chrissie

HOLME, Matthew Eduardo

HOLTZHAUSEN, Anri

HOPKINS, Ria

HUGHES, Merve John

HUIJNEN, Nicholas Carl

JANEKE, Michelle

JANSE VAN RENSBURG, Marelise

JOHN, Talia Sarah

JORDAAN, Leande

KANDJII, Ngondi Tjijandjeua Lokasa

KEMPFF, Casper Nicolaas

KHUPHISO, Avukile

KING, Ellen Margie

KOCK, Michael Albertus

KONING, Charlotte

LA GRANGE, Yancke

LAKE, James Giliomee

LELLYETT, Matthew James

LIEBENBERG, Frederik Rene

LIU, Jiaqi

LOHMANN, Janice

MABONGO, Lolwethu

MAGADZA, Ruvimbo

MALAN, Marco Eldrid

MAO, Juei-Yun

MARAIS, Dewald

MAREE, Madri

MASHEGO, Lehlogonolo Joy

MAVUNDLA, Nothando

MAZANA, Panashe

MAZODZE, Mufaro

MDWABA, Dimpho Aphunyeziwe Gugu

MEISSENHEIMER, Hein Wilfred

MENTZ, Lizahn

MEYER, Chelsea Lee

MEYER, Line

MEYER, Vincent Clement

MOCKLER, Siobhan Helen

MOMIN, Toshief MOOSA, Ayesha

MULLER, Chante

MÜLLER, David Andries CJ

NEELY, Jess-Keir

NEETHLING, Wentzel

NEL, Anje

NEVELING, Kara

NGOBESE, Lungelo Mthunzi

OERLEMANS, Christina Cornelia

OLIVIER, Marco

OOSTHUIZEN, Yolande Pauline

ORSMOND, Miche Joi PASSERINI, Piero

PAUTZ, Jessica Denise

PELLISSIER, Siegfried Charl

PERKINS, Kate Nicola

PERROTT, Nicola Maire

PETERSEN, Robyn

PIEDT, Lindel Astrid

PIENAAR, Carolina Frederika

PIENAAR, Toni

PILLAY, Simone Chantel

POTGIETER, Carmen

PRINS, Agnesha Yulia

RAMPEDI, Matsoarane William

RAMPLIN, Kelly

REED, Horatio Antonio Lee

RICKERTS, Kezia

ROCHEFORT RENNIE, Nicole Catherine

ROODT, Alexander

ROSSOUW, Martin Christiaan

SALIE, Moegammad Redah

SCHOLTZ, Antoinette

SCOTT, Tamryn

SCOTT-MONCRIEFF, Shannon Deanne

SLATER, Gregory James

SMITH, Lisa

SNYMAN, Anika

STANDER, Sean Paul

STEYN, Tayla Chloé

STONE, Megan Alexandra

STRYDOM, Brenden Coen SWANEPOEL, Tiffany-Lee TEIXEIRA, Claudio

THERON, Dérik THERON, Hanél

THERON, Jacob Philippus Arnoldus

THIART, Marchant Josua

TRUMPELMANN, Simone

TRUTER, Anélle

TSHEPE, Keabetswe

VAN DEN HEEVER, Randall Robert

VAN DEN HEEVER, Yvonne

VAN DER WESTHUIZEN, Sheria Wade

VAN ECK, Richardia Alice VAN HEERDEN, Lucas

VAN JAARSVELD, Nienke

VAN NIEKERK, Corika

VAN SCHALKWYK, Gerrit Dirkse

VAN ZYL, Hermanus Johannes

VAN ZYL, Mika

VAN ZYL, Willem Jacobus

VEENSTRA, Ross Siete

VERMEULEN, Elme

VERMEULEN, Kelley Adelaide

VERMEULEN, Liezel-René

VISAGIE, Kyle Emile

VLOK, Janét

VOIGHT, Daveen Marcia

WAINMAN, Kirsten

WALDECK, Wesley Vincent

WENN, Kathryne Grethe WENTZEL, Waylon

WESSON, Ernst Solomon

WHITE, Kelly Robyn

WILLEMSE, Hetma

WILLIAMS-JONES, Thomas Daniel

ZENHA, Miguel Antonio

**BACCALAUREUS IN REKENINGKUNDE CUM LAUDE**

**(BRek CUM LAUDE)**

**BACHELOR OF ACCOUNTING CUM LAUDE**

**(BAcc CUM LAUDE)**

ABRAHAMS, Evan Eugene

ARTHUR, Courtney Evelyn

CRAWFORD, Jason Robert

DU PREEZ, Helena Sibella

EHLERS, Bianca

HARTMANN, Thomas Robert

JAKOB, Monique Elli

KANZLER, Anja

LAST, Jolanie

LOUW, Suenét

MADZHIE, Hulisani Precious

PIETERSEN, Christiaan Johannes

RAATS, Jonyke

SAUNDERS, Annika Maria

SMIT, Liame

VILJOEN, Olivia

**NAGRAADSE DIPLOMA IN VOLHOUBARE**

**ONTWIKKELING (NGDip (Volhoubare Ontwikkeling))**

**POSTGRADUATE DIPLOMA IN SUSTAINABLE**

**DEVELOPMENT (PGDip (Sustainable Development))**

ACHIENG, Therezah Achieng BESTER, Craig Daniel

DUMA, Sikhulekile

HEINECKEN, Jeffrey Arthur Christopher

HONGO, Pamela

KRIEL, Danielle Amy

MNGQIBISA, Nontsikelelo Mashadi MURRAY, Andrew Charles Michael

NTSHOLO, Vukani Patrick

ONYEFUSONU, Juliet Nkem

PEDRO, Dannica

RADEBE, Miriam Elam

SOUTHEY, Jessica Dawn Lovell TOBO, Awodwa Confidence

**NAGRAADSE DIPLOMA IN VOLHOUBARE**

**ONTWIKKELING CUM LAUDE (NGDip**

**(Volhoubare Ontwikkeling) CUM LAUDE)**

**POSTGRADUATE DIPLOMA IN SUSTAINABLE**

**DEVELOPMENT CUM LAUDE (PGDip**

**(Sustainable Development) CUM LAUDE)**

BLIZZARD, Greer Croye

BLOEM, Sharne

BUENTING, Camilla

DAVIES, Landia

DELAFOY, Maxime

FOURIE, Paul Rene

FUNDA, Nobuhle Rumbidzai

MABUNDA, Makhegu Amelia

MAHAMO, Lerato Agnes Sabina

QWABE, Mkhuseli Freddy

RICKENS, Erich William

SAVIN, Kerri Anne

SCOTT, Kelly

SEKELE, Lesiba Donald

STRYDOM, Adél

VAN VIEGEN, Thomas Richard

VELLEMAN, Nicole Ashley

VISSER, Beryl Louise

XABA, Antonia

ZELEKE, Mersha Yilma

**NAGRAADSE DIPLOMA IN OMGEWINGSBESTUUR**

**(NGDip (Omgewingsbest))**

**POSTGRADUATE DIPLOMA IN ENVIRONMENTAL**

**MANAGEMENT (PGDip (EnvironMan))**

BASSON, Bianca Angela

CHIKARI, Rufaro Lynthia

KADHILA, Timoteus

KHOETE, Rethabile Millicent

MAPFUMO, Johana Christabel

MTHIYANE, Thobile Adrian

NANGOMBE, Lovisa Ruth

NYAMAYEDENGA, Chipo Maxine

SHIKWAYA, Rauna Nangula Twapandula Tweufiilwa

SOKWALIWA, Bongiwe WRIGHT, Sarah Jessica

**NAGRAADSE DIPLOMA IN OMGEWINGSBESTUUR**

**CUM LAUDE (NGDip (Omgewingsbest) CUM LAUDE)**

**POSTGRADUATE DIPLOMA IN ENVIRONMENTAL MANAGEMENT CUM LAUDE (PGDip (EnvironMan)**

**CUM LAUDE)**

BREWITT, Tamra

**NAGRAADSE DIPLOMA IN PROJEKBESTUUR**

**(NGDip (Projekbest))**

**POSTGRADUATE DIPLOMA IN PROJECT**

**MANAGEMENT (PGDip (ProjMan))**

ADAM, Yahya

CLAASSEN, Brevin Roscoe

KEMP, Liam

MILLER, Antoinette Lucille

**NAGRAADSE DIPLOMA IN FINANSIËLE BEPLANNING**

**(NGDip (FinBepl))**

**POSTGRADUATE DIPLOMA IN FINANCIAL PLANNING**

**(PGDip (FinPlan))**

ABDURAHMAN, Mogamad Thaabiet

ALBERTS, Liezl

BAILEY, Samuel James

BARNARD, Adele

BEZUIDENHOUT, Karen

CHIGWADA, Tapfuma

CLAYTON, Andrew

CRONJE, Duann

DALVIE, Hassan

DAVIDS, Lauren

DE KOCK, Alfonso Barnardt

DICK, Leston Matthew

DLUDLA, Mbali Busisiwe

DU TOIT, Daniel Johannes

ENGELHARD, Karl Oscar

FRANCIS, Darren Jeffrey

FREDERICKS, Jacques Luke

GARDNER, Benjamin Bernard

GIJSBERS, Johan Christian

GREY, Nolitha Sesethu

HANS, Sherwin

HARRIS, Caron Ann

HAVENGA, Izaan

HECTOR, Kurt Quintin

HELMBOLD, Christian Adrian

HEMINGWAY, Christopher Bernard

HITGE, Leone

HUNTER, Surene

ISAACS, Nicole Lizahn

JASSIEM, Mogamat Nezaam

JORDAAN, Richard Steven

JORDAAN, Xander van Zyl

KOLLER, Frere Eduard KOORTS, Conrad

KOTZE, Almarie Petro

KOTZE, Pierre Johan

KRUGER, Calvin Russouw

KRUGER, Leandri

LAMPRECHT, Leon-Ben Marais

LE ROUX, Hester Elizabeth

LOUBSER, Nicola

LOUW, Jacobus Johannes

MAKI, Howard Siyabonga

MALAN, Suzaan

MATCHETT, Gareth Anthony MAY, Monique Nicole

MBALU, Mxolisi Bob

MEIRING, Nicholas Dylan

MOIR, Dean Mathew

MOSESI, Mpho Brenda

MSILA, Vuyiswa Anne

MULAMBO, Mbali Precious MULLER, Johannes Petrus NASSADIEN, Imtiyaaz

OLCKERS, Naldo

OOSTHUIZEN, Wayne Leonard

PETERSEN, Emile Sidwell

PETERSEN, Natasha Gaynor PHILLIPS, Dean Michael PIENAAR, Christo PIETERSE, Karissa

POULOS, Henry

PROBART, Marschant QHINA, Luxolo

RAAD, Morgan

RAMJAN, Jamiela

RAWOOT, Nuhaa

RICH, Anna

ROSE, Jared Martin

ROSSOUW, Daniel Jean

ROSSOUW, Erna

ROUX, Jean-Pierre

RUSSELL, Jordan Shane

RUSSOUW, Imke

SIMANI, Sibabalwe

SINGH, Reena

SOBOTKER, Venetia Lana

STEWART, Jasmin Alexis STRYDOM, Christina

SWARTZ, Cherel Imelda

TERBLANCHE, Hendri Petrus

THERON, Anika

TREVORROW, Jeanny

VAN ASWEGEN, Joachim Martinus

VAN DER VYVER, Tanya

VAN SCHALKWYK, Gerda

VAN WYK, Eric Juan

VISSER, Melindi WEYERS, Ryno

WOHL, Florian Sebastian Robert

**NAGRAADSE DIPLOMA IN FINANSIËLE BEPLANNING**

**CUM LAUDE (NGDIP (FinBepl) CUM LAUDE)**

**POSTGRADUATE DIPLOMA IN FINANCIAL PLANNING**

**CUM LAUDE (PGDIP (FinPlan) CUM LAUDE)**

ABDULLAH, Shabnam

FAUL, Beatri

GRADWELL, Tamsyn

LEIBOWITZ, Jaya

LORGAT, Naseera

MULLER, Gerhard Laurence

SUKATI, Phumelela Nkulumane

VAN DER MERWE, Jonathan

VORSTER, Elizabeth Magdalena

**NAGRAADSE DIPLOMA IN BESIGHEIDSBESTUUR EN -**

**ADMINISTRASIE (NGDip (Besigheidsbestuur en**

**-administrasie))**

**POSTGRADUATE DIPLOMA IN BUSINESS**

**MANAGEMENT AND ADMINISTRATION (PGDip**

**(Business Management and Administration))**

ALBERTYN, Charl Hofmeyr

ERAGO, Simon

FISHER, Alvira Heleen

FOURIE, Delaray Jamyma GOVENDER, Nadia

HATJIGIANNAKIS, Melanie Natasha

HLATSHWAYO, Elvis Stanley Eric

POTTS, Denzil

SNYDEWEL, Kehad Jetro

**NAGRAADSE DIPLOMA IN TOEKOMSSTUDIE**

**(NGDip (Toekomsstudie))**

**POSTGRADUATE DIPLOMA IN FUTURES STUDIES**

**(PGDip (Futures Studies))** BARTES, Ian

BESTER, Adriaan Ignatius

BREWIS, Etienne Andre

CANOVI, Ricardo

CHAUKE, Tiyani Credinal

ELLIS, Estelle

FORLEE, Melanie

GOUWS, Wynand Johanneds

GREEFF, Andrew Albert

HARTLEY, Nicholas Patrick

JACOB, Merin Raju

KHATHAMZI, Nkosinathi Goodwill

KUZWAYO, Andile Modise

LE GRANGE, Clayton Isaac

LEVY STRAUSS, Karen Anne

LIEBENBERG, Frederick Johannes

MAKHADO, Collins Rudzani

MELONAS, Angelo Basil

MULLER, Rya-Mari

OGUNBOYE, Oluwafemi Kayode

PITJENG, Mashilo Jerry

POTGIETER, Stephanus Johannes

QAMARANA, Thando

ROCHER, Vivian Andrew

RULASHE, Thabiso Spencer

SHI, Chun

SMITH, Guy David Selwyn

SWART, Francois Daniel

SWART, Tertius

TAYOB, Yumna Salim

TSEKOA, Rethabile

VAN ASWEGEN, Collette Elize

VAN TONDER, Andries Jacobus

**NAGRAADSE DIPLOMA IN TOEKOMSSTUDIE CUM**

**LAUDE (NGDip (Toekomsstudie) CUM LAUDE)**

**POSTGRADUATE DIPLOMA IN FUTURES STUDIES**

**CUM LAUDE (PGDip (Futures Studies) CUM LAUDE)**

BEHARRIE, Grant Clive

BESTER, Coenraad Petrus

BLAKE, Sarah

CARSTENS, Vanessa Elaine COETZEE, Louis Wilhelm

GROBLER, Christina Johanna Sophia

HORRELL, Zanne

NEETHLING, Wynand Jurg

NEL, Janine

NOBULA, Sindiswa Theodorah

ORFFER, Martilene

TAYLOR, Andrew Allen

TAYLOR, Mark Jonathan George TOLL, Nastassja

**NAGRAADSE DIPLOMA IN ONTWIKKELINGSFINANSIES**

**(NGDip (Ontwikkelingsfinansies))**

**POSTGRADUATE DIPLOMA IN DEVELOPMENT**

**FINANCE (PGDip (Development Finance))**

BAMBANI, Hombakazi Nelisa Coceka

CHRISTIANS, Gillian Eleanore

GONYA, Nwabisa Nomathamsanqa

HINTSA, Thumeka

KALENGA, Victor Shitaleni

KAPINGANA, Gloria Hambeleleni Twiihaleni

KAPOSE, Charlotte Ngumeritiza

KAPOYI, Luthando Lucky

LUBISI, Nontobeko Pertunia

MAGAGA, Iviwe

MAKHATHINI, Galelekile Cecilia

MANYIKE, Godfrey Tsakani

MBANJWA, Mesuli Bonani

MBENGO, Loyiso Nqaba

MRARA, Lulama

MTHEMBU, Derrick Busani

NDEBELE, Motiwa Joachim

NDLOVU, Nomfundo

NDUDZO, Ntombizodwa Vanessa

NKAMBULE, Mduduzi Sydwell

NYIRENDA, Sothini Katundu

PALE, Kgaogelo Shirley

PHUKUBYE, Moholoboloko Octavius

RAMAWELA, Manti

RUBULUZA, Baphumze

SEZUNI, Grendah Matakala

SHALUMBU, Theofilia Tashiya Nashuwe

SHONGWE, Siphiwe

TANDI, Nicholas

TLABA-MOKOENA, Thabo

VAN STADEN, Kyle William WITBOOI, Rueben Allistair

**HONNEURS-BACCALAUREUS IN DIE**

**HANDELSWETENSKAPPE (HonsBCom)**

**BACHELOR OF COMMERCE HONOURS (BComHons)**

BREITENBACH, Christiaan Hendrik (Openbare en

Ontwikkelingsbestuur)

BRITS, Chantel (Openbare en Ontwikkelingsbestuur)

KRAMER, Lucy Amy (Openbare en Ontwikkelingsbestuur)

NGOMA, Leocadia Tinashe (Openbare en Ontwikkelingsbestuur)

REES-GIBBS, Dean Michael (Openbare en Ontwikkelingsbestuur)

SITLER, Eloise Fredarique (Openbare en Ontwikkelingsbestuur)

VON BARDELEBEN, James Michael Arthur (Openbare en Ontwikkelingsbestuur)

**HONNEURS-BACCALAUREUS IN DIE**

**HANDELSWETENSKAPPE CUM LAUDE**

**(HonsBCom CUM LAUDE)**

**BACHELOR OF COMMERCE HONOURS CUM LAUDE**

**(BComHons CUM LAUDE)**

JAMES, Regan Victoria (Openbare en Ontwikkelingsbestuur)

**HONNEURS-BACCALAUREUS IN REKENINGKUNDE**

**(HonsBRek)**

**BACHELOR OF ACCOUNTING HONOURS (BAccHons)**

ADAMS, Chad Brandon

ADAMS, Christopher

AGENBACH, Imke Elizabeth AKOM, Storm

ALBERTS, Bianca

ALBERTSE, Alexander

ANDERSSEN, Estie-Marie ATKINS, Byron John

AURET, Nadia

BELLINGAN, Brendan Joshua

BEMMELMANS, Taahir

BESTER, Dané

BESTER, Johannes Petrus

BESTER, Marko

BESTER, Simone

BILLSON, Lauren Trish

BOCK, Carla

BOOYSEN, Andrew Marc

BOTHA, Michael Xavier

BOTHA, Schoeman

BOTHA, Strydom

BOUWER, Justin Derek

BOYES, Jessica

BRAIN, Ryan Napier

BRAND, Nicol

BREDENKAMP, Chané

BREGOVITS, Natasha Tania

BROKENSHA, Katherine

BRÖNN, Zander Johannes

BROWN, Steven-Lee

BUITENDACH, Carl Benjamin

BURGER, Kayla

BUTLER, Robyn Lindsey

CLOETE, Francois Tjerk

COETSEE, Ruben

COETZEE, Angelique

COETZEE, Ilze

CREMER, Blair Mark

CUPIDO, Ilza Jane

D'HANGEST D'YVOY, Adrien Daniël

DAVIDSON, Jenna

DE KOCK-SEEBREGTS, Cahrisa

DE SOUSA, Matthew Stephen

DE WET, Klara

DE WET, Mathys Johannes de Villiers

DEMPERS, Juandré

DOUGLAS, Ockert Petrus DU PLESSIS, Ilke Gretchen

DU PLESSIS, Lianda

DU PLESSIS, Michelle

DU TOIT, Catharina Helena

DU TOIT, James de Villiers Malherbe

DU TOIT, Jean-Andre

DU TOIT, Luther Spies

ELLIOTT, Christopher

ELLIS, Bertina

ENGEL, Amanda Ruth

ENGELS, Bryan Clifford

ERASMUS, Stefan Carel

FERREIRA, Daniel Theodorus

FERREIRA, Michal Marthinus

FICHARDT, Nieke-Marié

FORBES, Justin Stuart

FOSTER-ARCHIBALD, Kevin Douglas

FOURIE, Grieta

FROUDE, John Raymond

FROUDE, William Henry

FURSTENBERG, Carlé

GOULDIE, Haydn GREEN, Charlene

HART, Jade Mary

HENDRICKS, Darren Michael

HENDRICKS, Zulayghah

HILL, Walner

HOBDAY, Kirsten Lorna

HOPKINS, Henry Charl

HORN, Stacey Linda

HORNER, Jenna

HYSLOP, Jason

JACOBS, Ané

JANSE VAN RENSBURG, Lohandi

JANSEN VAN RENSBURG, Francois

JANSEN VAN RENSBURG, Mariëtte

JANUARY, Abdul Malik

JONKER, Gerhard

JORDAAN, Nicholas

JOUBERT, Francois

KAMALIE, Gadija

KANA, Irfaan

KIESSLING, Silja Katharina

KILLIAN, Ryan

KIRK, Sarah

KLERCK, James Morton

KNOETZE, Emma Louise

KNOETZE, Marc

KNOX, Kylie Teagan

KOEHLER, Achim Hartwig

KÖLLE, Ashton Vaughan

KOTZE, Linmari

KRUGER, Simoné

LABUSCHAIGNE, Casper Johannes Jakobus

LAWA, Rebekka LE ROUX, Carla

LE ROUX, Marica

LEVENHAGEN, Christoph Alexander

LIEBENBERG, Jan Lodewyk

LITCHFIELD, Kristy

LOOTS, Migael

LOOTS, Pieter Hermann

LOTHIAN, Nicole Candice

LOUW, Curtley Earl

MALAN, Daniël Petrus

MALAN, Louis Peter

MARAIS, Dehan

MASHILO, Madimetja Tebogo

MELLET, Chanri Yvonne

MENZI, Gift Lubabalo

MESSINA, Monique Kaylynn

MEYER, Ryan Trevor

MEYER, Wiehann Schalk Cornel

MILLER, Romy

MILLSON, Ashley

MOSTERT, Celia Stefanie

MOSTERT, Kirstin

MÜLLER, Wilmari

NAIDOO, Claudene Mackayla

NAUDE, Marlene

NEETHLING, Ben-John NOLDEN, Lara Ann

NORVAL, André-Johan

OBERHOLZER, Lize-Marié

PAYNTER, William George

PINNELL, Rebecca Jane

RAE, Callum

RAUBENHEIMER, Ashwon Branwell

RODGER, Ivy Leigh

ROELOFSE, Carel Petrus

ROSS, Michaela Danielle

ROUX, Esther Elizabeth

RUSHMERE, Andrew Mark RUSHMERE, Michael Colin

SCHMULIAN, Adriaan Joe

SCHOEMAN, Rachel Elizabeth

SCHORN, Thomas William

SHERGOLD-SMITH, Kyle David

SIEBERHAGEN, Jana

SMIT, Daniele

SMIT, Natasha

SMIT, Werner Antonie

SMITH, Jacobus Frederick Schoonraad

SMOOK, Keith Michael

SNYMAN, Marizaan

SOGA, Yonke

SPANJAARD, Wesley Grant

SPARKS, Christopher Rob

SPEELMAN, Gavral Erin

STEENKAMP, Leandri

STRACHAN, Luke Cornelis

STRACHAN, Megan Louise

STRAUSS, Heinrich Jacobus

STRAUSS, Mia

STREICHER, Paul Odendal

STRONG, Christine

STRYDOM, Miché

SWAN, Francois Maree

SWART, Kyla

SWARTZ, Kyle Stephen

THILAKALAL, Ramano

UYS, Lelani

VAN DER MERWE, Christina Petronella VAN DER MERWE, Francois Johannes

VAN DER MERWE, Marguerite

VAN DER MERWE, Meyer

VAN DER MERWE, Quinta-Mari

VAN DER WESTHUIZEN, Mienke

VAN HUFFEL, Byno Westhein

VAN NIEKERK, Stefan Arndt

VAN RENSBURG, Corene

VAN ROMBURGH, Chris Burrows

VAN ROOYEN, Ruhan

VAN SCHALKWYK, Cornelius de Villiers

VAN SCHALKWYK, Orlando Oshric

VAN TONDER, Johan Tiaan

VAN WYK, Deon

VAN ZYL, Lauren

VENTER, Benjamin

VENTER, Hendrik Petrus

VERMAAK, Morné Rudi

VON BERG, George Xander

WALLACE, Richard Stanley

WALTERS, Wesley Dale

WEAVERS, Ashleigh Jessica

WEDER, Eduard

WEGENER, Gemma Michaela

WEILBACH, Johann Friedrich

WIESE, Petrus Benjamin

WILKENS, Erna

YEOMAN, Matthew Michael

ZEVENBERGEN, Ilarie

**HONNEURS-BACCALAUREUS IN REKENINGKUNDE**

**CUM LAUDE (HonsBRek CUM LAUDE)**

**BACHELOR OF ACCOUNTING HONOURS CUM LAUDE**

**(BAccHons CUM LAUDE)**

ARNDT, Reinhard Bernhard

BOTHA, Aleta

BUNGE, Edwin Philip

DENNY, Helen Christine

DU PLESSIS, Eduard Christiaan Haumann

DU TOIT, Leandri

HARDNICK, Ryelan Calton

LAMPRECHT, Jordan-Blaine

MYBURGH, Wini-Louise

**HONNEURS-BACCALAUREUS IN PUBLIEKE**

**ADMINISTRASIE (HonsBPA)**

**BACHELOR OF PUBLIC ADMINISTRATION**

**HONOURS (BPAHons)**

ABRAHAMS, Andrea Sue

BARTIES, Biondi Neil

DAYA, Nisha

FANA, Babalwa

FILLIES, Monique

GELA, Wongama

MAHARAJ, Ashwin

MALAHLEHA, Mafumane Alice

MASEMOLA, Brenda Adelaide

MHLATI-MUSEWE, Nombasa Benedicta

MJO, Lumko Sabelo

MOGOANE, Margareth Sully

MTISI, Lovemore

MUNOSIWANI, Johane

NENE, Sibongile

NEWMAN, Roché

NGETU, Zandile

SKHOSANA, Joseph Sanna

SONDISHE, Busisiwe

SWARTBOOI, Rotanda Nona

VAN WYK, Gaironesse

WUNTU, Mlungisi

**HONNEURS-BACCALAUREUS IN PUBLIEKE**

**ADMINISTRASIE CUM LAUDE (HonsBPA CUM LAUDE)**

**BACHELOR OF PUBLIC ADMINISTRATION HONOURS**

**CUM LAUDE (BPAHons CUM LAUDE)**

KEKETSI, Nthabiseng Grace

MARAIS, Bonita Louisa

SICHONE, Maria

SWANEPOEL, Daryl Wade

THOMAS, Bruce Ricardo

VILANE, Nomcebo Serrah

**MAGISTER IN DIE WYSBEGEERTE (MPhil)**

**MASTER OF PHILOSOPHY (MPhil)**

ARNOT, Sarah Jane Rosa (Bestuursafrigting)

BRONKHORST, Vera (Bestuursafrigting)

DALE, Caroline Yvonne (Bestuursafrigting)

DE SWARDT, Liezl Alet (Bestuursafrigting)

EBERTSON, Johan Christiaan (Bestuursafrigting)

GROBBELAAR, Aletta Petronell (Bestuursafrigting)

JOOSTE, Dina Maria (Bestuursafrigting)

NELL, Anna Aletta (Bestuursafrigting)

NKAMA, Isaac (Toekomsstudie)

ROBERTS, Ryan (Volhoubare Ontwikkelingsbeplanning en -Bestuur)

SCHUURMAN, Labeeqah (Toekomsstudie) SON, Grant Reagon (Bestuursafrigting)

STEYN, Charlene Benita (Bestuursafrigting)

TALJARD, Daniel Jacobus Dirk (Bestuursafrigting)

THOKOANE, Ntakadzeni Thelma Portia (Bestuursafrigting)

VAN DEN BERG, Hester Agnes (Toekomsstudie)

**MAGISTER IN DIE WYSBEGEERTE CUM LAUDE**

**(MPhil CUM LAUDE)**

**MASTER OF PHILOSOPHY CUM LAUDE**

**(MPhil CUM LAUDE)**

DALE, Simone (Bestuursafrigting)

JONKER, Michiel Frederik (Toekomsstudie) LINDOW, Megan Jean (Volhoubare Ontwikkelingsbeplanning en -bestuur)

NTSOANE, Moroasereme Tommy (Volhoubare

Ontwikkelingsbeplanning en -bestuur)

PHILLIPS, Mark (Toekomsstudie)

SOLOMON, Chantelle (Bestuursafrigting)

WILLIAMS, Deborah Mary (Bestuursafrigting)

**MAGISTER IN DIE WYSBEGEERTE IN**

**ONTWIKKELINGSFINANSIES (MPhil**

**(Ontwikkelingsfinansies))**

**MASTER OF PHILOSOPHY IN DEVELOPMENT FINANCE**

**(MPhil (Development Finance))** ABDUL-RAHMAN, Sidik Abubakari

ADAMS, Estelle Merle Adams

ADU-BOAHEN, Joanna

CHAILA, Mpande Siwakwi

DAVID, Ernestina Loide Ndahambelela

DAVIDS, Douglas Frederick Herman GABRIEL, Metride Ndeshimona

GARANE, Lennox Mzuhleli

GBAHABO, Paul Terna Gbahabo

GOBILE, Samantha Vuyokazi

GWANMESIA, Babila Christopher

KAWELENGA, Victor

KIBERA KIBINGE, James Joseph

KIMANI, Kenneth Kabue

KINYUA, John Maina Kinyua

KUIPA, Tapiwa Stephen

MAFUKIDZE, Kenias

MHLANGA, Nomathemba

MJUZA, Nomthandazo Beauty Magdeline

MKHWANANZI, Mpumelelo

MPHELA, Ketetji Joel

MUTILIFA, Seth Japhet Shawapala

MVUSI, Mtetuvumile Lwazi Loyiso

MYENI, David Mfanimpela

NAKISUYI, Deborah

NCANE, Maxwell Simphiwe

NGOBENI, Charmaine

OSIFODUNRIN, Edward Adedayo

PHAAHLA, Mathume Joseph

SAMENTE, Nobathembu

SCHIPPERS, John Jacob

SETATI, Sethanyi Boitumelo

SHIKALE, Loide Navula

SHIVUTE, Tuutwaleni Pombili Johannes

TOLI, Robinduth

VAN WYK, Bianca Flavia

WAMULUNGWE, Nambula

ZONGOLOLO, Grace Ndakaitei Tendai

**MAGISTER IN DIE WYSBEGEERTE IN**

**ONTWIKKELINGSFINANSIES CUM LAUDE**

**(MPhil (Ontwikkelingsfinansies) CUM LAUDE)**

**MASTER OF PHILOSOPHY IN DEVELOPMENT FINANCE CUM LAUDE (MPhil (Development Finance) CUM LAUDE)**

MUOGBO, Chigozie Thankgod

SECHOARO, Thulaganyo

TEMBANI, Thina

**MAGISTER IN REKENINGKUNDE (MRek)**

**MASTER OF ACCOUNTING (MAcc)**

JANSE VAN RENSBURG, Pieter Johan

SPIES, Hendrik Stephanus Luther

ZIETSMAN, Magdel Elizabeth

**MAGISTER IN BESIGHEIDSBESTUUR**

**EN -ADMINISTRASIE (MBA)**

**MASTER OF BUSINESS MANAGEMENT AND**

**ADMINISTRATION (MBA)**

BARNARD, Divan

BASSON, Erika

BASSON, Jan Hendrik

BRIDGER, Michael Joseph

BRUWER, Jacobus Gert

CROESER, Eric

DE JAGER, Christelle

DE LA CRUZ, Rudy Andre

DE VILLIERS, Frans Hendrik

DU PLESSIS, Stephanus

FOURIE, Nico

GIERDIEN, Nawahl

GOVENDER, Desmond

GRIESSEL, Izandri Cavell HASSIM, Muhammad

HENDRICKS, Fadlah

HOPPE, Werner

JOUBERT, Danil Mathys

KASSEN, Jayesh Chaganlal

LUBBE, Barend Johannes

MABOYA, Kedibone Nancy

MADZANA, Simbarashe

MALAN, Louisa

MASOEU, Tshepo

MAYMAN, Razzaaq

MOOLMAN, Terence Ian MURIMBIKA, Samson

NGXISHE, Mboneni

NORDIEN, Chevaan

NTHURUBELE, Tshosane Abraham

NYATHI, Lomakhosi

OLIVIER, Caro

OLIVIER, Suretha

PIETERSEN, Ika van Niekerk PRINSLOO, Jaco

RADEBE, Thokozile Victoria

SABBAT, Frans

SEM, Toska

TITI, Siyabonga Mancoba Sizo

TJIPITUA, Nangosora Ashley

UYS, Petrus Johannes

VAN DER MERWE, Neil

VAN ZYL, Leon

WORSHIP, Robert Ernest **MAGISTER IN BESIGHEIDSBESTUUR**

**EN -ADMINISTRASIE CUM LAUDE (MBA CUM LAUDE)**

**MASTER OF BUSINESS MANAGEMENT AND**

**ADMINISTRATION CUM LAUDE (MBA CUM LAUDE)**

CONRADIE, Wilhelmus Jacobus

DE KOCK, Karen

DE VILLIERS, Esme

DREYER, Andre

ENGELBRECHT, Jaco

NYERE, Lovemore

**MAGISTER IN PUBLIEKE ADMINISTRASIE (MPA)**

**MASTER OF PUBLIC ADMINISTRATION (MPA)**

HAUSIKU, Regina Nangura

LEHULERE, Kebone Zodwa

MBHELE, Zuziwe

SEFORA, Margaret Motshidisi

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| --- |
| **KANSELIERSTOEKENNINGS / CHANCELLOR’S AWARDS / AMABHASO KATSHANSILA**  *Afdeling Menslike Hulpbronne*  *Division of Human Resources*  *ICandelo leZibonelelo zoLuntu*  **MNR/MR JJS KOTZÉ** |

ZUMA, Sindisiwe Prudence Queen

A

s die Universiteit Stellenbosch se bestuurder van ver- goeding, is Japie Kotzé se werk ’n treffende voorbeeld van die verskaffing van uitmuntende en relevante professionele akademiese steundienste. Hy word allerweë as een van die toppraktisyns op die gebied van vergoeding en verband- houdende kwessies in die Suid-Afrikaanse hoër onderwys beskou. Daarbenewens kwyt hy hom uitstekend van die kern- taak om die pensioenfondsportefeulje van die Universiteit te bestuur. Deur sy onwankelbare verbintenis tot mensw aardig heid en ontfermende geregtigheid het hy al onder meer per- soneellede in die laer inkomstegroepe van toegang tot bekos- tig bare mediese versekering voorsien, vergoedingsp ariteit by die instelling verseker, en toegesien dat die Univ ersiteit se parameters vir lewensvatbare voorsiening billik in werking gestel word. Kotzé se voortreflike bydrae om die Universiteit Stellenbosch as voorkeurwerkgewer in die land se hoër- onderwyssektor te vestig, verdien erkenning.

A

s Stellenbosch University’s manager of remuneration,

Japie Kotzé’s work is a prime example of the provision of outstanding and relevant professional academic support services. He is widely regarded as one of the leading prac- titioners in the field of remuneration and related matters in higher education in South Africa. In addition, he capably performs the critical task of managing the University’s pension fund portfolio. Through his unwavering commitment to human dignity and compassionate justice, he has inter alia afforded staff in the lower income brackets access to affordable medical insurance, ensured parity of remuneration at the institution, and contributed to the fair implementation of the University’s viable sourcing parameters. Kotze’s sterling contribution in establishing Stellenbosch University as a preferred employer in the country’s higher education sector deserves recognition.

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| --- |
| *Afdeling Finansies*  *Division of Finance*  *ICandelo lezeziMali*  **MNR/MR HAJ LOMBARD**  anie Lombard, hoofdirekteur van finansies, is ’nanie Lombard, chief director of finance, is both a geoktrooieerde rekenmeester én geregistreerde oudi- chartered accountant and registered auditor. His solid  M  M |

teur. Sy grondige kennis van sy vakgebied blyk duidelik uit die uitnemende ondersteuningsdiens wat hy en sy 140 spanlede aan die hele Universiteit lewer. Sy verantwoordel ikhede strek oor die volle spektrum van finansiële bestuur en verslag- doening. Met Lombard se omsigtigheid en vernuf is die Universiteitsbegroting van bykans R6 miljard in veilige hande. Daarbenewens bestuur hy die instelling se omvattende risiko- bestuursprogram. As een van die argitekte van die inhaal- instandhoudingsprojek van R233 miljoen op Tygerbergk ampus, en kernbydraer tot die sakeplan vir die Kampusv ernuwings projek, wat R3,7 miljard bedra, is hy boonop ’n dryfv eer vir die Universiteit se strewe om wêreldklasfasiliteite vir wêreld klasonderrig te bied. Nie net is Lombard ’n aanwins vir die Universiteit nie, maar hy lewer ook waardevolle sektorwye bydraes as lid van die finansiële uitvoerende forum van Hoër Onderwys Suid-Afrika.

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| *Afdeling INNOVUS en Kommersialisering*  *Division of INNOVUS and Commercialisation*  *ICandelo lezoRhwebo*  **ME/ME AJ NEL** |

grounding in his field is evident from the excellent support service he and his 140 team members provide to the entire University. His responsibilities extend across the full spectrum of financial management and reporting. With Lombard’s diligence and skill, the R6 billion University budget is in safe hands. He also heads up the institution’s extensive risk management programme. Moreover, as one of the architects of the R233 million catch-up maintenance project on Tygerberg campus, and key contributor to the R3,7 billion Campus Renewal Project business plan, he drives the University’s pursuit of providing world-class facilities for world-class teaching. Not only is Lombard an asset to the University, but he also makes valuable sector-wide contri- butions as a member of Higher Education South Africa’s financial executive forum.

A

nita Nel, uitvoerende hoof van Innovus en senior direkteur van innovasie en besigheidsontwikkeling, het die Universiteit Stellenbosch se tegnologieoordragkantoor as nasionale voorloper op sy gebied gevestig. Innovus, wat uit ’n privaatmaatskappy- én universiteitsafdelingskomponent be- staan, is in volle Universiteitsbesit. Met Nel aan die stuur, bou Innovus die instelling se innovasie- en intellektuele-eiendoms- portefeulje behendig uit. Deur die kommersialisering van die Universiteit se uitvindings sorg sy en haar span ook dat die instelling se impak tot ver buite Stellenbosse en landsg rense uitkring. Haar verantwoordelikhede sluit boonop die Universiteit se handelsmerkportefeulje, SunCom, die Afdeling Kopiereg en Kortkursusse, die Nedbank Universiteit Stellen- bosch LaunchLab-sake-inkubator en tot dusver 25 afwentel- maatskappye in. Danksy haar besondere kundigheid en pro- fessionele sukses is sy ’n gewaardeerde lid van verskeie nasionale en internasionale komitees, wat die Universiteit aan die voorpunt van innovasie hou.

A

nita Nel, chief executive of Innovus and senior director of innovation and business development, has established Stellenbosch University’s technology transfer office as a national leader in its field. Innovus, which comprises both a private company and university department component, is wholly owned by the University. With Nel at the helm, Innovus expertly expands the institution’s innovation and intellectual property portfolio. By commercialising the Uni- versity’s inventions, she and her team also ensure that the institution’s impact is felt far beyond Stellenbosch and national boundaries. In addition, her responsibilities include the University’s brand portfolio, SunCom, the Copyright and Short Courses Division, the Nedbank Stellenbosch University LaunchLab business incubator, as well as 25 spin-out companies – and counting. Due to her outstanding expertise and professional success, she is a valued member of various national and international committees, keeping the University at the leading edge of innovation.

# PROGRAM VIR DIE VYFDE PLEGTIGHEID

*DIE FAKULTEIT LETTERE EN SOSIALE WETENSKAPPE (KWALIFIKASIES IN DRAMA, MUSIEK EN VISUELE KUNSTE), AGRIWETENSKAPPE, REGSGELEERDHEID*

*’n Vriendelike beroep word op alle aanwesiges gedoen om selfone af te skakel en nie die saal tydens die plegtigheid te verlaat nie om sodoende te verseker dat die verrigtinge sonder ontwrigting verloop.*

1. Akademiese prosessie kom die saal binne. U word versoek om te staan terwyl hulle die saal binnekom en te bly staan vir die sing van die Nasionale Lied.
2. Sing van die Nasionale Lied (kyk binneagterblad). Neem asseblief daarna u sitplekke in.
3. Konstituering deur die Visekanselier.
4. Verwelkoming deur die Visekanselier en prof M Dlali.
5. Voorstelling van kandidate wat kwalifikasies ontvang deur die dekane van die betrokke fakulteite en toekenning van kwalifikasies deur die Visekanselier.
6. Voorstelling van die kandidaat vir Kanselierstoekenning en oorhandiging van die toekenning deur dieVisekanselier.
7. Sluiting deur die Visekanselier.
8. Akademiese prosessie verlaat die verhoog.

*Die aanwesiges word versoek om te bly staan totdat die akademiese prosessie uitgestap het.*

# PROGRAMME FOR THE FIFTH CEREMONY

*THE FACULTIES OF ARTS AND SOCIAL SCIENCES (QUALIFICATIONS IN DRAMA, MUSIC AND VISUAL ARTS), AGRISCIENCES, LAW*

*To help ensure that the proceedings run their course without disruption, will all those present kindly keep their cell phones switched off, and refrain from leaving the hall, while the ceremony is in progress.*

1. Entrance of academic procession into the hall. You are requested to stand while it enters, and then to remain standing for the singing of the National Anthem.
2. Singing of the National Anthem (see inside back cover). Thereafter, please be seated.
3. Congregation formally constituted by the Vice-Chancellor.
4. Welcome by the Vice-Chancellor and Prof M Dlali.
5. Presentation of candidates receiving qualifications by the deans of the respective faculties and conferment of qualifications by the Vice-Chancellor.
6. Introduction of the candidate for Chancellor’s Award and presentation of the award by the Vice-Chancellor.
7. Closing by the Vice-Chancellor.
8. The academic procession leaves the stage.

*Those present are requested to remain standing until the entire academic procession has left the hall.*

# ISICWANGCISO-NKQUBO SOMSITHO WESIHLANU

*IIFAKHALTHI EYEATHSI NEENZULULWAZI ZOBUNTLALONTLE*

*(IZINGQINI-MFUNDO ZEDRAMA, NOMCULO NOBUGCISA OBUBONWAYO), EYEEAGRISAYENSI, EYEZOMTHETHO*

*Ukuqinisekisa ukuba umsitho uqala ngaphandle kwesiphazamiso, bonke abakhoyo bayacelwa ukuba bacime iiselfowuni zabo, kwaye bangaphumi eholweni ngeli xesha umsitho uqhubekayo.*

1. Kungena umkhosi wemithika eholweni. Niyacelwa ukuba nime ngeenyawo xa ungena, nihlale nime njalo ukuze kuculwe uMhobe weSizwe.
2. Ukuculwa koMhobe weSizwe (Jonga kumphakathi weqweqwe lokugqibela). Emva koko, ningahlala phantsi.
3. UMsitho uvulwa ngokusesikweni nguSekela-Tshansila.
4. Ulwamkelo lwenziwa nguSekela-Tshansila noNjing M Dlali.
5. Ukunikezelwa kwezingqini-mfundo kubafundi ziintloko zeefakhalthi (iidin) ezichaphazelekayo nokuthweswa kwezingqini-mfundo nguSekela-Tshansila.
6. Ukwaziswa kwabagqatswa beBhaso likaTshansila nokunikezwa kwamabhaso nguSekela-Tshansila.
7. Ukuvalwa komsitho nguSekela-Tshansila.
8. Umkhosi wemithika uyalishiya iqonga.

*Bonke abakhoyo bayacelwa ukuba beme ngeenyawo de umkhosi wemithika ube uphume wonke eholweni.*

**KANDIDATE WAT KWALIFIKASIES ONTVANG**

*Die grade, diplomas en sertifikate van kandidate wat nie by die gradeplegtigheid teenwoordig kan wees nie, word in hulle afwesigheid toegeken.*

**CANDIDATES RECEIVING QUALIFICATIONS**

*The degrees, diplomas and certificates of candidates who are unable to attend the graduation ceremony in person are awarded in absentia.*

**ABAFUNDI ABAFUMANA IZINGQINI-MFUNDO**

*Izidanga, iidiploma kunye nezatifiketi zabafundi abangakwazanga ukubakho ubuqu kumsitho wothweso-zidanga bathweswa bengekho benjalo.*

## **DOKTORSGRADE DOCTORATES EZOBUGQIRHA**

***Fakulteit Lettere en Sosiale***

***Wetenskappe***

***Faculty of Arts and Social Sciences***

***IFakhalthi yezeAthsi neeNzululwazi zobuNtlalontle***

**PhD**

BULLINDAH, Jacqueline Zinale (Music)

*Towards an understanding of creative processes in generating theatrical music for plays in Kenya*

Creation of theatrical music happens through complex processes. This dissertation uses sociocultural, ethnographic, analytical and theoretical approaches to interrogate these processes. The study shows that creative processes are influenced and shaped by contextual factors (history, theory and practice within a community of practice) and can be conceptualised as processual, iterative and continuous. By suggesting the multiperspectival model for analysing and creating theatrical music, the research challenges and expands existing ideolo- gical discourses on this subject. *Supervisor:* Prof SJvZ Müller *Co-supervisor*: Prof E Akuno

DE BEER, Marlene (Visual Arts)

*A visual and textual re-storying of the diary of Susanna Catharina Smit (1799-1863)*

This project is an attempt to re-story the narratives of three of the candidate’s female ancestors. She explores the possibilities of a femi- nine imaginary through the creation of a body of art objects and poetry, and theorises this process in her dissertation. Her objective is to draw attention to a ‘maternal debt’ that has been occluded by patriarchy, and to afford voices to the women who served as silent corporeal foils for men. She explores how objectified female subjects attempt to achieve a form of agency and sublimation in a patriarchal Western Symbolic, and in the process creates an awareness of the need for a feminine imaginary. *Supervisor*: Prof L van Robbroeck

*Co-supervisor*: Prof KH Dietrich

JANSEN VAN RENSBURG, Claudia Elizabeth (Music)

*Perspectives on musical strategies of settlement and migration: four case studies from the Western Cape, South Africa*

This study investigates discursive perspectives on settlement and migration as they apply to musical practice and production, through the presentation of four disparate South African case studies from the Western Cape. Settler-colonial studies and migration studies are used as theoretical force-fields as a means of engaging with these very different contexts, namely: English born composer William Henry Bell (1873-1946), the music archive of Genadendal Mission Museum (founded 1738), the music of traditional musician Latozi Mpahleni (‘Madosini’) (born 1943) and the contemporary liturgical music of a Nigerian Catholic community living in Stellenbosch. The study sought to explore intersections as portals into the ‘undomesticated’ content and discursive problematics of settlement and migration as they relate to musical production. *Supervisor*: Prof SJvZ Müller

*Co-supervisor*: Dr TD Cousins

RÖNTSCH, Marc Anton (Music)

*An anthology of existence: explorations into the life and works of Christopher Langford James (1952-2008)*

Christopher Langford James was born in Rhodesia (now Zimbabwe), and studied composition at the University of Pretoria before doing a Doctorate of Musical Arts (DMA) at the University of Cincinnati. This study not only presents critical discussions of James’s music as read through his life story, but also explores the possibilities and limitations of the “life-and-works study” paradigm, and experiments with a structural framework that integrates musicological discussions with narrative ones. The dissertation also probes the post-colonial problematic of location, place and ideas of “home” through structural devices.

*Supervisor:* Prof SJvZ Müller

VOGTS, Elsa (Visual Arts)

*The edible museum: exploring foodways as socio-museological practice in*

*Kayamandi, South Africa*

This research examined and documented the foodways of the Kayamandi township, within its specific context as a marginalised community in post-apartheid South Africa, through a sociomuseological practice entitled the Edible Museum. The study found that foodways are implicated in a direct way in the tension between the ambition of cultural cohesion and misunderstanding of cultural others as it emerges in the context of Kayamandi and broader Stellenbosch. The study posits that through sensory disruptions that are enacted towards bodily transformations, foodways can be enlisted towards the facilitation of potential cross-cultural exchange through a museological mediation, which speaks in an embodied language.

*Supervisor:* Prof E Costandius

***Fakulteit Agriwetenskappe***

***Faculty of Agrisciences***

***IFakhalthi eyeeAgrisayensi***

**PhD**

ARENDSE, Ebrahiema (Food Science)

*Non-destructive measurement and prediction of external and internal quality of pomegranate fruit*

Pomegranates are highly susceptible to quality defects which lead to downgrading and postharvest losses. In this study, non-destructive techniques based on x-ray computed tomography and near-infrared spectroscopy were successfully applied to classify fruit affected by husk scald to detect the presence of cryptic pests inside fruit with no ex- ternal symptoms. In addition, predictive models were developed to estimate the volume of edible and non-edible fruit components such as peel, arils and juice. These models provide novel tools for improved postharvest management and exploitation of pomegranate fruit frac- tions as raw materials in food, beverage and other industrial applications. *Supervisor*: Prof UL Opara

*Co-supervisors:* Dr OA Fawole and Dr LS Magwaza (External)

BASSON, Carin Elizabeth (Wine Biotechnology)

*Transcriptomic analysis of disease resistance responses using a tobacco-*Botrytis cinerea *pathosystem*

Insights into plant-pathogen interactions are at the core of the development of improved disease resistance strategies. This study has generated novel gene expression data for *B. cinerea*-infected tobacco and provided the opportunity to compare the timing and magnitude of transcriptional responses in susceptible and resistant plant lines. More- over, the basis of the resistance mechanism of a grapevine defense gene could be studied. The results reinforced a defence priming role for this protein, not only at the sites of infection, but more generically in uninfected tissues on an infected plant.

*Supervisor*: Prof MA Vivier

BELAY, Zinash Assefa (Food Science)

*Modelling and optimisation of active modified atmosphere packaging for pomegranate arils*

Minimally processed pomegranates (called arils) are highly prone to spoilage due to short shelf life. The candidate investigated the appli- cation of actively modified atmosphere packaging to maintain aril quality. Using a novel optimisation technique called simplex lattice design approach, the optimum concentration of each gas component was determined to maintain aril physico-chemical properties and mini- mise microbial spoilage. The low oxygen tolerance limit for pome- granate arils was identified. It was found that the optimum gas composition for active modified atmosphere storage of pomegranate arils was 6-7% oxygen and 7-8% carbon dioxide.

*Supervisor*: Prof UL Opara

*Co-supervisors:* Dr OJ Caleb (External), Dr PV Mahajan (External) and Prof GO Sigge

DU PLESSIS, Kari (Wine Biotechnology)

*The evaluation of the impact of microclimatic factors on grapevine berries in a vineyard setting through molecular profiling*

Grapes are influenced by complex interactions in vineyard settings and it is notoriously difficult to relate management actions to predictable product outcomes. Molecular analyses were used to follow the gene expression patterns and metabolic changes associated with a leaf removal treatment that resulted in increased light exposure in the bunch zone in a Sauvignon Blanc vineyard. The grapes activated several protection mechanisms against light stress and used amino acids as a source of energy to sustain development while altering the metabolism to mitigate the stress. The results contribute significantly to the under- standing of how grapevine berries adapt to their environments and support possible links between grape manipulations and potential wine quality.

*Supervisor*: Prof MA Vivier

*Co-supervisor:* Dr P Young

GALLOWAY, Craig James (Conservation Ecology)

*The implementation of sustainable agriculture on pasture-based dairy farms: farmer perceptions, environmental impact and farm-level productivity*

Three approaches were used to better understand the implementation of sustainable agriculture on pasture-based dairy farms in the Eastern Cape, South Africa. Farmers showed a positive orientation towards sustainable agriculture, but had not widely adopted sustainable practices. Environmental impacts resulted from excessive nutrients and greenhouse gas emissions, but lower environmental impacts were associated with healthier soil, higher milk production per hectare, and minimal fertiliser and feed inputs. Higher farm productivity was also associated with higher milk production per hectare and effective use of feed. Lower environmental impacts were associated with higher farm productivity, showing that profit maximisation actually reduces environmental impact.

*Supervisor*: Prof KJ Esler

*Co-supervisor:* Dr H Prozesky

MOLOTSI, Annelin Henriehetta (Animal Science)

*Genomics as part of an integrated study of smallholder sheep-farming systems in the Western Cape, South Africa*

The aim of this study was to evaluate the productivity of smallholder sheep-farming systems in the Western Cape, South Africa, using an interdisciplinary approach underpinned by genomics and charact e risation of the farming systems. The study found that smallholder farmers in the Western Cape preferred Dorper sheep and that their genetic resource has a higher genetic diversity than purebred Dorpers. The foundation for looking for important alleles for reproduction in smallholder sheep was established. Selection signatures for heat tole- rance, reproduction, pigmentation and polledness were obtained and important genes were characterised. Collaborations across disciplines are necessary to improve smallholder sheep-farming systems. *Supervisor*: Prof K Dzama

*External Co-supervisors:* Prof SWP Cloete and Dr S Oosting

NYANGIWE, Nkululeko (Entomology)

*Distribution and ecology of economically important ticks on cattle, with special reference to the Eastern Cape Province and related areas in South Africa and Namibia*

Field-based studies were conducted to record the distribution of ticks on cattle at local and regional scale. Vegetation type related differences did not affect infestations of ticks with variable life histories on cattle and on vegetation in the Eastern Cape Province. Regional tick surveys recorded the presence of the exotic Asiatic blue tick for the first time in Namibia and an expansion in its distribution range to environ- mentally less favourable regions in South Africa. Face-to-face interviews with communal cattle farmers corroborate field-based re- sults and suggest that farmers are knowledgeable and concerned about the current status of ticks and tick-borne diseases.

*Supervisor*: Prof S Matthee

SELOMANE, Abram Odirilwe (Conservation Ecology)

*Monitoring for sustainability: a social-ecological systems approach to indicators and measurements*

Despite our understanding of the interactions between society and nature, indicators and measurements of sustainability do not reflect this integration. By harnessing the potential of social-ecological systems theory to improve existing measurements of progress towards sustainability targets, social-ecological indicators were developed glo- bally and for South Africa. Additionally, 77 indicators of sustainable development goals were evaluated in terms of their ability to account for dynamics in monitoring. This dissertation contributes to the de- velopm ent of knowledge, methods and evidence for the monitoring of sustainability goals.

*Supervisor (External)*: Prof B Reyers

*Co-supervisor:* Prof R Biggs

SHEKHAWAT, Kirti (Wine Biotechnology)

*Evaluating the effect of oxygen addition on yeast physiology, population dynamics and wine chemical signature in controlled mixed starter fermentations*

This study investigated the influence of oxygenation on yeast growth kinetics and physiology. A combination of controlled fermentation strategies, transcriptomic and proteomic analyses were performed to decipher the molecular drivers of yeast-yeast interaction. The overall findings revealed that high oxygen inputs gave non-*Saccharomyces* yeasts a fitness advantage over *S. cerevisiae*, the main fermentation agent. Transcriptomic data showed that there is increased competition for micronutrients such as copper, iron and thiamine in mixed fermentation. Furthermore, *S. cerevisiae* and non-*Saccharomyces* yeasts such as *Lachancea thermotolerans* were found to activate different genesets to respond to oxygen and the presence of a competing organism.

*Supervisor*: Dr ME Setati

*Co-supervisor:* Prof FF Bauer

SPICKETT, Andrea (Conservation Ecology)

*Diversity and community structure of gastrointestinal helminths of* Rhabdomys *spp. and other small mammals in South Africa*

A field-based sampling approach recorded novel host and novel locality data for nematode and cestodes species in South African small mammals. Life cycle-specific variation in spatial distribution of helminth parasites were recorded. Helminth diversity and community structure varied between two model rodents (*Rhabdomys pumilio* and *R. dilectus*). Environmental conditions facilitated helminth infestations. Helminth species positively co-occurred in both hosts, though helminth community structure differed (structured in *R. pumilio*, but not in *R. dilectus*). Helminth assemblages, within populations, were less similar in *R. pumilio*, but more in *R. dilectus*. Potential drivers are a complex interplay of host- and parasite-related factors, compounded by en- vironmental variation. *Supervisor*: Prof S Matthee

STEYN, Lobke (Animal Science)

*The effects of supplementing alternative carbohydrate sources on production and fibre degradation of Jersey cows’ grazing pasture*

Energy supplements fed to pasture-based dairy cows consist mainly of starch provided in the form of maize or cereal grains. Due to the high cost of maize and increased demands for maize in human nutrition, the candidate examined alternative energy sources for grazing dairy cows. Pectin and sugar in the form of fruit by-products such as dried citrus pulp and apple pomace, were found to be suitable alternatives to replace starch in energy supplements. Although milk yield was some- what lower when starch was replaced with pectin and sugar, the cost of milk production was reduced, making fruit by-products an attractive alternative.

*Supervisor*: Prof CW Cruywagen

*Co-supervisor (External):* Prof R Meeske

USENI, Bilungi Alain (Animal Science)

*Effects of energy sources on milk production and reproduction of dairy cows*

In a first study of its kind in South Africa, the candidate showed that higher levels of energy supplementation to pasture-based Holstein cows improved reproduction and milk yields. Energy supplements were fed at either 7 kg or 12 kg/cow per day and the energy sources were either starch alone or starch plus fat. Non-esterified fatty acids (NEFA) and β-hydroxybutyrate (BHB) were higher in primiparous cows receiving lower concentrate levels, while these cows also lost more weight after calving and produced less milk. Con- ception rate of cows at 150 days-in-milk was higher at higher levels of concentrate feeding. S tarch proved to be the preferred energy source during the first 60 days of lactation, while a combination of starch and fat provided after 60 days improved fertility.

*Supervisor (External)*: Dr CJC Muller

*Co-supervisor:* Prof CW Cruywagen

VAN ZYL, Johan Hendrik Combrink (Animal Science)

*The effect of maize vitreousness and a starch binder on in vitro fermentation parameters and starch digestibility in dairy cows*

After comparing various methods, the candidate found that NIR technology, using a single absorbance wavelength of 2230 nm, is the most practical method for routine analysis in the animal feed industry to determine maize vitreousness (hardness). NIR hardness index values can now be used in dynamic feed formulation models to accurately predict the rate of maize starch degradation and the predicted ruminal disappearance of starch from the rumen of dairy cows. Where high levels of soft maize are included in dairy cow diets, a starch binder can be used to lower the rate of ruminal starch degradation, thereby aiding in the prevention of acidosis in dairy cows.

*Supervisor*: Prof CW Cruywagen

**PhD (Agric)**

MUPAMBI, Giverson (Horticultural Science)

*Water relations and sunburn in apple fruit*

Sunburn causes losses of up to 50% of total apple yield in South Africa. The candidate investigated the relationship between tree water status and sunburn development. Water deficit increased sunburn incidence and severity, possibly due to photochemical changes and oxidative stress within the peel. Foliar S-ABA (abscisic acid) application did not decrease sunburn despite an improvement in tree water status. Differences in fruit surface morphology did not explain differences in cultivar and fruit sunburn sensitivity. The study shows that good management of plant water status through irrigation is instrumental to controlling sunburn in a warm production region.

*Supervisor*: Prof WJ Steyn

*Co-supervisors*: Dr M Schmeisser and Dr S Dzikiti (External)

***Fakulteit Regsgeleerdheid***

***Faculty of Law***

***IFakhalthi yezoMthetho***

**LLD**

AMIN, Anneth (Public Law)

*A teleological approach to the interpretation of socio-economic rights in the African Charter on Human and Peoples’ Rights*

This study investigates the nature and implications of the teleological approach to human rights treaty interpretation for the interpretation of the socio-economic rights in the African Charter. The candidate develops a methodology for the application of the teleological approach that can guide the supervisory organs to interpret the socioeconomic rights in the African Charter effectively. She also develops a teleological model of review that can assist the supervisory organs to assess States’ socio-economic rights obligations. A coherent appli- cation of the teleological approach and its model of review can guarantee the meaningful protection of the socio-economic rights on the continent. *Supervisor*: Prof S Liebenberg

BROODRYK, Theo (Private Law)

*Developing a structure for the adjudication of class actions in South Africa*

The high cost of litigation prevents many potentially meritorious claims from being brought to court. The procedural mechanism of the class action addresses this problem by enabling claims of a number of persons against the same defendant to be adjudicated in one action, brought by a representative plaintiff. For example, consumers who purchased hazardous goods or miners who were exposed to toxic substances may rely on class actions to claim compensation. Unfortunately, no South African statute or court rule provides a procedural framework for the adjudication of class actions. Drawing on the experiences of prominent foreign jurisdictions, this pioneering dissertation contains various proposals on how to develop such a framew ork, and hence promote greater access to justice.

*Supervisor:* Prof W de Vos

*Co-supervisor:* Prof JE du Plessis

ROSA, Ana Solange (Public Law)

*The means and the ends of justice: the interaction between socioeconomic rights and administrative justice in a South African democratic developmental state*

A fundamental feature of the South African democratic developmental state is that it must be people-oriented and capable of addressing the socio-economic needs of the poor, marginalised and historically dis- advantaged. By developing the interlinkages between administrative justice and socio-economic rights, the vision of a democratic de- velopmental state and effective socio-economic transformation can be supported. The hypothesis is that the normative purposes and values of these rights are profoundly complementary and can be strengthened as tools to address poverty, both in terms of substance and process.

*Supervisor*: Prof S Liebenberg

*Co-supervisor*: Prof G Quinot

SPRUYT, Wynand Max Alexander (Privaatreg)

*Kompleksiteit en bemiddeling: ’n model vir die ontwerp van gepaste regulering*

Hierdie studie voer aan dat bemiddeling as ’n komplekse sosiale stelsel gemodelleer kan word. Dié modellering van bemiddeling maak dit nie alleen moontlik om die impak van regulering te ontleed aan die hand van die werklike en mees fundamentele eienskappe van die be- middelingsp roses nie, maar om ook diversiteit as ’n kenmerk van be middeling vanuit ’n nuwe en unieke perspektief te ontleed. Die studie slaag daarin om ’n teoretiese model van bemiddeling daar te stel wat sal verseker dat die gepaste en effektiewe regulering van bem iddeling nie ten koste van die inherente aard en kenmerke van die be- middelingsproses geskied nie.

*Promotor*: Prof CS Human

VOLLMER, Daniel Tyson (Public Law)

*Queer families: an analysis of non-heteronormative family rights under the African human rights system*

The limited engagement with sexual orientation, gender identity and non-heteronormative family rights under the African human rights system necessitates a comparative analysis of the interpretation of ‘family’ in light of the rights to non-discrimination, equality, dignity, privacy, and the ‘best interests of the child’ principle, under the inter- national and regional human rights systems. Using the critical per- spectives of postmodern feminist, queer, and gay and lesbian rights theories this dissertation examines family rights under articles 18(1) and (2) of the African Charter on Human and Peoples’ Rights, demon- strating that these rights are amenable to an interpretation inclusive of non-heteronormative family rights.

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| **ANDER KWALIFIKASIES OTHER QUALIFICATIONS EZINYE IZINGQINI-MFUNDO** |

*Supervisor*: Prof A Rudman

***Fakulteit Lettere en Sosiale***

***Wetenskappe***

***Faculty of Arts and Social Sciences***

***IFakhalthi yezeAthsi neeNzululwazi zobuNtlalontle***

**HOËR SERTIFIKAAT IN MUSIEK (Hoër SertMus)**

**HIGHER CERTIFICATE IN MUSIC (Higher CertMus)**

FOURIE, Paige Anne

LAKAY, Shaheema

PIETERSEN, Joshua SIEBRITS, Tilana

**HOËR SERTIFIKAAT IN MUSIEK CUM LAUDE**

**(Hoër SertMus CUM LAUDE)**

**HIGHER CERTIFICATE IN MUSIC CUM LAUDE**

**(Higher CertMus CUM LAUDE)**

JANSEN VAN RENSBURG, Anthonie Christoffel

READ, Jake

**DIPLOMA IN PRAKTIESE MUSIEK (DipPrakMus)**

**DIPLOMA IN PRACTICAL MUSIC (DipPracMus)**

ADAMS, Aneeqah

HENDRIKSE, Nicolaas Hendrik

MUNOZ, Juan-Francisco

SMITH, Netanya Nancy

VAN KERWEL, Curtis

**GEVORDERDE DIPLOMA IN PRAKTIESE MUSIEK**

**(GevDipPrakMus)**

**ADVANCED DIPLOMA IN PRACTICAL MUSIC**

**(AdvDipPracMus)**

SOON, Yeh Eun

**GEVORDERDE DIPLOMA IN PRAKTIESE MUSIEK**

**CUM LAUDE (GevDipPrakMus CUM LAUDE)**

**ADVANCED DIPLOMA IN PRACTICAL MUSIC**

**CUM LAUDE (AdvDipPracMus CUM LAUDE)**

HEATH, Lyudmyla

VAN WYK, Lorinda

**BACCALAUREUS IN DIE LETTERE EN WYSBEGEERTE (BA)**

**BACHELOR OF ARTS (BA)**

ALBERTZE, Du Toit

BAARD, Ashleigh Ellen

BASSON, Monique

BESTER, Shakir

BOTHA, Dirk Jacobus

BULL, Fauzia

CONRADIE, Gizela

DE NECKER, Marichje

DELL, Bianca

DU PLESSIS, Marilize

EHLERS, Mienke

EHRENREICH, Anslyn Alan

FROEHLICH, Anke Hilde

HODGES, Joshua Michael

JACKSON, Soraya Rose

JANSEN VAN RENSBURG, Emily Liné

JANUARIE, Randy

JORDAAN, Anneke

KOELMAN, Angelique

MARAIS, Danielle

NETHERLANDS, Lara

PLAATJIES, Hunter Sam Sage

RUTZEN, Kylie-Lee

SCHOLTZ, Melanie Je-Nay

SCHUTZLER, Savannah Mary

SLABBER, Alet

SMALBERGER, Simone

STRYDOM, Lisa Simóne

THYS, Lindsay

VAN ANTWERPEN, Carla

VAN DER MERWE, Danya

VAN SCHALKWYK, Pierre

VAN VUUREN, Elizabeth

VISSER, Chanté

WHEELER, Nicola Louise

ZIETSMAN, Augusta Leonore

**BACCALAUREUS IN DIE LETTERE EN WYSBEGEERTE**

**CUM LAUDE (BA CUM LAUDE)**

**BACHELOR OF ARTS CUM LAUDE (BA CUM LAUDE)**

BOSMAN, Marteli

STEYN, Nicol

VAN SCHALKWYK, Nicolette Rolene

**BACCALAUREUS IN DIE MUSIEK (BMus)**

**BACHELOR OF MUSIC (BMus)**

CROWLEY, Wendy Joy

ENGELBRECHT, Johannes Stephanus

FRENZ, Natali

LEVENDAL, Kaylin

NACHENIUS, Marco Christian

PETRIE, Christopher

RUDOLPH, Lynn

STEINGASZNER, Severian Geza

STEVENS, Joshua

VAN DYK, Nadine

**BACCALAUREUS IN DIE MUSIEK CUM LAUDE**

**(BMus CUM LAUDE)**

**BACHELOR OF MUSIC CUM LAUDE (BMus CUM LAUDE)**

BRAND, Colette

DREYER, Jesse

FRANK, Joshua Benjamin

VAN ZYL, Marise

**BACCALAUREUS IN DIE LETTERE EN WYSBEGEERTE**

**IN VISUELE KUNSTE (BA (VK))**

**BACHELOR OF ARTS IN VISUAL ARTS (BA (VA))**

ABDUL, Thaakierah (Visuele Kommunikasieontwerp)

ALBERTYN, Wilma (Visuele Kommunikasieontwerp)

ASPELING, Emma Catherina (Skone Kunste)

BESTER, Christine (Visuele Kommunikasieontwerp)

BEVAN, Olivia Shahla (Skone Kunste)

BOOYSEN, Darren (Visuele Kommunikasieontwerp)

BOSHOFF, Andréa Louise (Visuele Kommunikasieontwerp)

BURGER, Nicolene (Skone Kunste)

CILLIERS, Elisca (Kreatiewe Juweliersware en Metaalontwerp)

CLELLAND, Jade Irene (Visuele Kommunikasieontwerp)

CROUCHER, Grace Elizabeth (Visuele Kommunikasieontwerp)

DAVIDS, Lemeeze (Skone Kunste)

DAVIDSON, Michelle Susan (Skone Kunste)

DE CLERCQ, Michelle (Visuele Kommunikasieontwerp)

DE VILLIERS, Ivan (Visuele Kommunikasieontwerp)

DU PLESSIS, Anja Louise (Visuele Kommunikasieontwerp)

ELLMANN, Maria Magdalena (Visuele Kommunikasieontwerp)

ENGELBRECHT, Annamieke (Skone Kunste)

FITZGERALD, Emily (Skone Kunste)

HARRISON, Frances Erica (Visuele Kommunikasieontwerp)

HUYZERS, Lila (Visuele Kommunikasieontwerp)

INGHAM, Chelsea Robin (Skone Kunste)

JANSE VAN RENSBURG, Mareli (Skone Kunste)

JANSEN, Carina Renee (Skone Kunste)

KIRSTEN, Marguerite (Skone Kunste)

KOEGELENBERG, Lohan Daniel (Skone Kunste)

KRUGER, Megan (Visuele Kommunikasieontwerp)

LADU, Manuela Francesca (Visuele Kommunikasieontwerp)

LOFTIE-EATON, Rayke (Visuele Kommunikasieontwerp)

MARAIS, Simonn Chrisine (Skone Kunste)

MAUGHAN, Kelly Jay (Kreatiewe Juweliersware en Metaalontwerp)

MOODIE, Nicola Jane (Skone Kunste)

OBERHOLZER, Lynette (Kreatiewe Juweliersware en

Metaalontwerp)

REINMUTH, Nadja Alexa (Skone Kunste)

ROUT, Juliette Grace (Kreatiewe Juweliersware en Metaalontwerp)

SAAIMAN, Zietske (Skone Kunste)

SCHILPEROORT, Emma Georgina Jayne (Visuele

Kommunikasieontwerp)

SENNETT, Ruben (Skone Kunste)

SHAW, Tracy Jane (Visuele Kommunikasieontwerp)

SLABBER, Johanna (Visuele Kommunikasieontwerp)

SMIT, Wenike (Skone Kunste)

SMITH, Jeanre (Visuele Kommunikasieontwerp)

STRAUSS, Louise Sophia (Kreatiewe Juweliersware en Metaalontwerp)

TEIFEL, Mianca (Skone Kunste)

TEN CATE, Marlene (Kreatiewe Juweliersware en Metaalontwerp)

TOROS, Christina Cecilia (Kreatiewe Juweliersware en

Metaalontwerp)

TORR, Sally Jennifer (Visuele Kommunikasieontwerp)

TULLY, Philippa Frances (Visuele Kommunikasieontwerp)

VAN DER WALT, Sophia le Roux (Kreatiewe Juweliersware en

Metaalontwerp)

VAN ONSELEN, Silvie (Visuele Kommunikasieontwerp)

VAN WYK, Anna Maria (Kreatiewe Juweliersware en

Metaalontwerp)

WARRIES, Kirstin (Skone Kunste)

ZANDBERG, Janeke (Visuele Kommunikasieontwerp)

**BACCALAUREUS IN DIE LETTERE EN WYSBEGEERTE**

**IN VISUELE KUNSTE CUM LAUDE (BA (VK)**

**CUM LAUDE)**

**BACHELOR OF ARTS IN VISUAL ARTS CUM LAUDE**

**(BA (VA) CUM LAUDE)**

DUNTON, Jasmine Rose (Visuele Kommunikasieontwerp)

MARAIS, Paul Andries (Skone Kunste)

MASH, Ciara Siphokazi (Visuele Kommunikasieontwerp)

**HONNEURS-BACCALAUREUS IN DIE LETTERE**

**EN WYSBEGEERTE (HonsBA)**

**BACHELOR OF ARTS HONOURS (BAHons)**

BENJAMIN, Herschelle John (Drama-en Teaterstudie)

BERG, Izak (Drama-en Teaterstudie)

BOSCH, Elandré (Drama-en Teaterstudie)

CULLINAN, Anke (Drama-en Teaterstudie)

DE JONGH, Johannes Petrus Nicolaas (Drama-en Teaterstudie)

EAGLETON, Semone (Drama-en Teaterstudie)

ENGEL, Keanen (Drama-en Teaterstudie)

KANNEMEYER, Mercy (Drama-en Teaterstudie)

KRUGER, Corné (Drama-en Teaterstudie)

SMUTS, Yantarni (Drama-en Teaterstudie)

**HONNEURS-BACCALAUREUS IN DIE LETTERE EN**

**WYSBEGEERTE CUM LAUDE (HonsBA CUM LAUDE)**

**BACHELOR OF ARTS HONOURS CUM LAUDE**

**(BAHons CUM LAUDE)**

WIGGILL, Caitlin Alice (Drama-en Teaterstudie)

**MAGISTER IN DIE LETTERE EN WYSBEGEERTE (MA)**

**MASTER OF ARTS (MA)**

STEYN, Louisa (Drama-en Teaterstudie)

**MAGISTER IN DIE LETTERE EN WYSBEGEERTE**

**CUM LAUDE (MA CUM LAUDE)**

**MASTER OF ARTS CUM LAUDE (MA CUM LAUDE)**

DREYER, Magdalena Anna (Drama-en Teaterstudie)

**MAGISTER IN DIE MUSIEK (MMus)**

**MASTER OF MUSIC (MMus)**

JANSE VAN RENSBURG, Lisa-Mari Alexandra

***Fakulteit Agriwetenskappe***

***Faculty of Agrisciences IFakhalthi yezeeAgrisayensi***

**BACCALAUREUS IN DIE NATUURWETENSKAPPE**

**IN LANDBOU (BScAgric)**

**BACHELOR OF SCIENCE IN AGRICULTURE (BScAgric)**

ANDERSON, Devon Maxwell (Veekunde met Akwakultuur)

AVIDON, Stephen Noble (Veekunde met Bewaringsekologie)

BARNARD, Willem Coenraad (Hortologie en Entomologie)

BLACK, Greg John (Veekunde)

BOAST, Kyle (Landbou-ekonomiese Analise en Bestuur)

CALITZ, Kerryn (Veekunde)

CUPIDO, Melissa (Veekunde)

DAWSON, Jessica (Veekunde)

DE BRUIN, Gareth Theunis (Landbou-ekonomiese Analise en

Bestuur)

DE WET, Dirk Cornelis (Agronomie en Plantpatologie)

DEDEKIND, Ruben Egmund (Hortologie en Plantpatologie)

DEELIE, Elmor Adrian (Veekunde)

DETTMER, Matthew (Veekunde)

DIPPENAAR, Liza-Mari (Hortologie en Plantpatologie)

DU PLESSIS, Anél (Veekunde)

DU TOIT, Derek Auret (Veekunde met Akwakultuur)

FANIE, Muhammad Yusuf (Plantpatologie en Entomologie)

GOLSON, Patrick James Peter (Wingerd- en Wynkunde)

GRAY, Jaime Erin (Wingerd- en Wynkunde)

HATTINGH, Naomi (Hortologie en Genetika)

HEATHCOTE, Gillian (Wingerd- en Wynkunde)

HECTOR, Leon Jephta (Veekunde)

HENDRICKS, Kay-Lynn (Veekunde)

HENRIKSEN, Jenz Olav (Landbou-ekonomiese Analise en Bestuur)

JOHNSON, Tarryn (Landbou-ekonomiese Analise en Bestuur met

Voedselwetenskap)

JORDAAN, Simoné (Agronomie en Genetika)

KAYES, Malcolm Jeremy (Grondkunde en Agronomie)

KOEN, Jodine (Veekunde met Bewaringsekologie)

KOORTZEN, Charl Petrus (Landbou-ekonomie met

Voedselwetenskap)

LEWIS, Takdeera (Veekunde)

LOCHNER, Jaen Frederick (Wingerd- en Wynkunde)

LOUBSER, Sume (Veekunde)

MAENETJA, Nakampe Ashell (Veekunde)

MANEFELDT, Wilhelmina Frederika (Wingerd- en Wynkunde)

MATTHEE, Enja (Landbou-ekonomie met Voedselwetenskap)

McFARLANE, Walter Guy Duncan (Veekunde)

MORREN, Jean-Mari (Veekunde)

MULLER, Anieka (Veekunde)

NAUDE, Charl Jacques (Grondkunde en Hortologie)

NIELSEN, Kyle Julian (Landbou-ekonomiese Analise en Bestuur)

PAUL, Tristen Lee (Veekunde)

PIETERSE, Everett James (Veekunde met Akwakultuur)

POTGIETER, Suné (Landbou-ekonomiese Analise en Bestuur)

RABE, Xangele (Veekunde)

RALL, Pieter Hendrik (Landbou-ekonomie met Veekunde)

RANDELL, Simon Murray (Veekunde met Agronomie)

ROOS, Tenisha (Veekunde met Bewaringsekologie)

ROUX, Willem Petrus (Landbou-ekonomiese Analise en Bestuur)

SCOTT, Natasha Sheila (Landbou-ekonomie met Voedselwetenskap)

SILBERBAUER, Bianca Louise (Veekunde)

SNYDERS, Monique (Veekunde met Bewaringsekologie)

SNYMAN, Tertius Jacobus (Hortologie en Plantpatologie)

STEYN, Natalie (Grondkunde en Hortologie)

STOFFBERG, David Mark (Veekunde)

SWANEPOEL, Jacobus Christiaan (Grondkunde en Hortologie)

SWART, Andries Johannes (Veekunde)

THEUNISSEN, Schalk Heinz (Veekunde met Akwakultuur)

TOOLO, Keboneilwe Boitumelo (Wingerd- en Wynkunde)

UYS, Janien (Veekunde)

VAN DER SCHYFF, Hubert (Veekunde)

VAN DER WESTHUIZEN, Christoff George (Veekunde met

Agronomie)

VAN LEEUWEN, Maira Margaretha (Veekunde)

VAN NIEKERK, Angus Stewart (Landbou-ekonomie met Veekunde)

VAN NIEKERK, Chloe Francoise (Veekunde met Bewaringsekologie)

VAN STADEN, Yolande (Wingerd- en Wynkunde)

VAN ZYL, Tasha Anne (Veekunde)

VENTER, Gabriella (Veekunde)

VERMAAK, Marga (Wingerd- en Wynkunde)

VISSER, Bertie Steyn (Landbou-ekonomiese Analise)

WILLE, Malan Loubser (Landbou-ekonomiese Analise en Bestuur)

**BACCALAUREUS IN DIE NATUURWETENSKAPPE IN**

**LANDBOU CUM LAUDE (BScAgric CUM LAUDE)**

**BACHELOR OF SCIENCE IN AGRICULTURE**

**CUM LAUDE (BScAgric CUM LAUDE)**

BOTHMA, Sheryl (Agronomie en Plantpatologie)

DAY, Megan Fiona (Veekunde)

GROBBELAAR, Benjamin Floris (Landbou-ekonomiese Analise en

Bestuur)

KROGSCHEEPERS, Cornelius (Hortologie en Plantpatologie) MALAN, Carmen (Veekunde met Agronomie)

McGREGOR, Olivia Malie (Wingerd- en Wynkunde)

POOL, Karl-Hein (Landbou-ekonomiese Analise en Bestuur)

TRUTER, Karen Joané (Grondkunde en Agronomie)

VAN DER WESTHUIZEN, Marno Wiehan (Hortologie en

Plantpatologie)

VAN DER WESTHUIZEN, Zuniga (Veekunde)

**BACCALAUREUS IN DIE NATUURWETENSKAPPE IN**

**BOSBOU EN HOUTWETENSKAPPE (BScBosbHoutwet)**

**BACHELOR OF SCIENCE IN FORESTRY AND WOOD**

**SCIENCES (BScFor Wood Sc)**

DE KOCK, Jason Robert (Hout en Houtprodukkunde) MATTHYSEN, Jan-Ben (Hout en Houtprodukkunde)

MYAKA, Thando Sarah (Bosbou- en Natuurlike

Hulpbronwetenskappe)

TOUFFIE, Daiyaan (Hout en Houtprodukkunde)

VILJOEN, Leandri (Bosbou- en Natuurlike Hulpbronwetenskappe) **BACCALAUREUS IN DIE NATUURWETENSKAPPE IN**

**BEWARINGSEKOLOGIE (BScBewEkol)**

**BACHELOR OF SCIENCE IN CONSERVATION**

**ECOLOGY (BScConsEcol)**

AMAYA TANTARUNA, Santiago Pablo

ARENDSE, Lee-Roy Colin

COMO, Pauline

DAVIDS, Liaam

HAYWARD, Catherine Frances

HERRING, Jonathan Frank

HOUGAARD, Adriaan Cornelius

LOUW, Nicolas Leon

MADDEN, Anthony Luke

McCARTHY, Megan

NOEMDO, Kerwin David

OLIVIER, Adriaan Jacobus

OOSTHUIZEN, Christie Leandri

PIENAAR, Madeleine

PIETERSE, Jodi Alice

ROSSOUW, Elizabeth

SMIT, Chantelle

SYMONDSON, Aaron Paul

VAN NIEKERK, Bianca VIVIER, Esmarie

**BACCALAUREUS IN DIE NATUURWETENSKAPPE IN**

**VOEDSELWETENSKAP (BScVoedselwet)**

**BACHELOR OF SCIENCE IN FOOD SCIENCE (BSc Food Sc)**

BEST, Chanel (Voedselwetenskap met Biochemie)

BORG, Dyveke (Voedselwetenskap met Biochemie)

BRINK, Eunice (Voedselwetenskap met Biochemie)

CARSTENS, Aletta Alida (Voedselwetenskap met Biochemie)

CARSTENS, Madeleine (Voedselwetenskap met Biochemie)

COETZER, Christina Johanna (Voedselwetenskap met Biochemie)

DEIST, Ilse (Voedselwetenskap met Chemie)

DU PLESSIS, Madeleine (Voedselwetenskap met Chemie)

DU TOIT, Stephanie (Voedselwetenskap met Biochemie)

ELPHICK, Murray Brennan (Voedselwetenskap met Biochemie)

FAKIER, Haarisah (Voedselwetenskap met Chemie)

GEACH, Kendal Jane (Voedselwetenskap met Biochemie)

GOMES, Clarice Rozelle (Voedselwetenskap met Biochemie)

GRAY, Callum James (Voedselwetenskap met Biochemie)

JANSEN VAN RENSBURG, Anna-Mart (Voedselwetenskap met

Biochemie)

JORDAAN, Kayla-Anne (Voedselwetenskap met Chemie)

LAUBSCHER, Anika (Voedselwetenskap met Chemie)

LEMMETJIES, Chantal (Voedselwetenskap met Biochemie)

LINKS, Jondre Richarmic (Voedselwetenskap met Biochemie)

LOUW, Mariet (Voedselwetenskap met Chemie)

MAPLING, Celeste Nadine (Voedselwetenskap met Chemie)

MARTIN, Aqeelah (Voedselwetenskap met Biochemie)

MAWSON, Ashley Kendra

McGOLDRICK, Michelle Lesley (Voedselwetenskap met Biochemie)

MULLER, Lesley-Ann (Voedselwetenskap met Chemie)

NELSON, Justine Jo-Anne (Voedselwetenskap met Biochemie)

NIEMAND, Dean Francois (Voedselwetenskap met Biochemie)

PSARRAKIS, Judi (Voedselwetenskap met Biochemie)

SCHULTZ, Michelle (Voedselwetenskap met Biochemie)

SOLOMON, Lauren Glenice (Voedselwetenskap met Biochemie)

SPANGENBERG, Magdel (Voedselwetenskap met Chemie)

STANDER, Jeanette Hermine (Voedselwetenskap met Chemie)

STEYN, Kayla (Voedselwetenskap met Chemie)

STONE, Cormé (Voedselwetenskap met Biochemie)

VAN DER MERWE, Julie (Voedselwetenskap met Biochemie)

VAN HEERDEN, Adam Jeffrey (Voedselwetenskap met Biochemie)

VAN HEERDEN, Hesrie (Voedselwetenskap met Chemie)

VAN NIEKERK, Nelleke (Voedselwetenskap met Biochemie)

VAN SCHALKWYK, Jana (Voedselwetenskap met Chemie)

VAN ZYL, Nicola Jean (Voedselwetenskap met Chemie)

VERMEULEN, Marguerite Antoinette (Voedselwetenskap met

Biochemie)

WYNGAARD, Anika Heidi (Voedselwetenskap met Biochemie)

**BACCALAUREUS IN DIE NATUURWETENSKAPPE IN**

**VOEDSELWETENSKAP CUM LAUDE**

**(BSc (Voedselwet) CUM LAUDE)**

**BACHELOR OF SCIENCE IN FOOD SCIENCE**

**CUM LAUDE (BSc (Food Sc) CUM LAUDE)**

FORSTER, Ashleigh Jade

KEET, Rochelle (Voedselwetenskap met Biochemie)

RIVA, Shannon Claudia (Voedselwetenskap met Chemie)

RUST, Alexandra Elizabeth (Voedselwetenskap met Chemie)

SMIT, Paula (Voedselwetenskap met Biochemie)

VAN DER WALT, Cilda Cornelia (Voedselwetenskap met Chemie)

WABULE, Daphine Enid (Voedselwetenskap met Chemie)

**BACCALAUREUS IN LANDBOUBESTUUR (BAgricAdmin)**

**BACHELOR OF AGRICULTURAL MANAGEMENT**

**(BAgricAdmin)**

RITTER, Hans Martin

**BACCALAUREUS IN LANDBOU (BAgric)**

**BACHELOR OF AGRICULTURE (BAgric)**

AKKER, Klaus Maarten

BADENHORST, Johannes Petrus

BARNARD, Willem Johannes

BASSON, Coenraad Johannes Albertyn

BESTER, Lisa-Mari

BOTES, Carlo

BOUWER, Derrick

BRISTOW, Tarquin James

BROWN, Gerald Matthew

BRUWER, Pieter

DU TOIT, Sybrand Gerhardus

DUN, George Philip

ENGELBRECHT, Jacobus Adriaan

FAASEN, Martinique

FREY, Leandri

GROENEWALD, Stefan Johannes

HANEKAM, Joshua Christian

JANSEN, Daniela

JANSEN VAN VUUREN, Morné

JORDAAN, Elandri

KOCH, Gert Nieuwoudt

KOCH, Hermanus Barend

LE ROUX, Johannes Hendrik

LEO, Keenan Kyle

LOOIS, Charlize Christa

MEINTJES, Christo Rudolph

NELL, Altus Simon

NIEMANN, Willem Johannes Smit

ROSSOUW, Pieter Munnik

SCHOOMBEE, Andries Lodewicus STRYDOM, Sybrand

STRYDOM, Tiaan Daniel

SYMINGTON, Cornelius Jacobus

UNGERER, Johannes Theodorus Potgieter **MAGISTER IN DIE NATUURWETENSKAPPE (MSc)**

VAN BLOMMESTEIN, Joshua **MASTER OF SCIENCE (MSc)**

VAN DER VYVER, Johann DE KLERK, Madelein (Plantpatologie)

VAN DEVENTER, Zandrea KATUMANYANE, Agil (Entomologie)

VAN NIEKERK, Petrus Albertus PRIOR, Kelly Jade (Wynbiotegnologie)

VAN RENSBURG, Attie Francois

VAN ZYL, Christiaan **MAGISTER IN DIE NATUURWETENSKAPPE**

VAN ZYL, Johannes **CUM LAUDE (MSc CUM LAUDE)**

VICTOR, Christiaan Daniel **MASTER OF SCIENCE CUM LAUDE (MSc CUM LAUDE)**

VINCENT, Alec Neil JAMES, Monique (Entomologie)

VISSER, Ruhan LANGENHOVEN, Shaun Denver (Plantpatologie)

VIVIERS, Esmari MBUYANE, Lethiwe Lynett (Wynbiotegnologie)

VLOK, Hugo Adriaan PLATT, Thomas Benjamin (Entomologie)

VOIGT, Johannes de Kock PORTER, Tristan Jade (Wynbiotegnologie)

WAHL, Lara

WATTS, Nicole **MAGISTER IN DIE NATUURWETENSKAPPE IN**

**LANDBOU (MScAgric)**

**NAGRAADSE DIPLOMA IN BOSBOU- EN MASTER OF SCIENCE IN AGRICULTURE (MScAgric)**

**HOUTWETENSKAPPE CUM LAUDE (NGDip** BARASU, Prince Dogbeda (Hortologie)

**(Bosb en Houtwet) CUM LAUDE)** KWALIMBA, Lawrence (Genetika)

**POSTGRADUATE DIPLOMA IN FORESTRY AND WOOD** MARAIS, Helen (Hortologie)

**SCIENCE CUM LAUDE (PGDip (For and Wood Sc)** NDOU, Vhuthu (Agronomie)

**CUM LAUDE)** PICKERING, Leanne Hayley (Veekunde)

BOUWER, Francis

**MAGISTER IN DIE NATUURWETENSKAPPE IN**

**LANDBOU CUM LAUDE (MScAgric CUM LAUDE)**

**NAGRAADSE DIPLOMA IN AGRONOMIE**

**MASTER OF SCIENCE IN AGRICULTURE CUM LAUDE**

**(NGDip (Agronomie))**

**(MScAgric CUM LAUDE)**

**POSTGRADUATE DIPLOMA IN AGRONOMY**

DOUBELL, Marce (Entomologie)

**(PGDip (Agronomy))**

MOFFAT, Emma Georgina (Wingerdkunde)

CARSTENS, Louis Wilhelm

OSBORNE, Devin Guy (Grondkunde)

DIPPENAAR, Andries Petrus

DU PLESSIS, Hercules Jacobus

**MAGISTER IN DIE NATUURWETENSKAPPE IN**

FENI, Abongile Jackie

**BOSBOU- EN HOUTWETENSKAPPE (MScBosbHoutwet)**

HINDLEY, Renoir

**MASTER OF SCIENCE IN FORESTRY AND WOOD**

JANSE VAN RENSBURG, Neill George

**SCIENCES (MScFor Wood Sc)**

KAMBAYI, Martin (Boskunde)

**HONNEURS-BACCALAUREUS IN DIE**

**NATUURWETENSKAPPE (HonsBSc)**

**MAGISTER IN DIE NATUURWETENSKAPPE IN**

**BACHELOR OF SCIENCE HONOURS (BScHons) BEWARINGSEKOLOGIE (MScBewEkol)**

BROWN, Mariska (Wynbiotegnologie) **MASTER OF SCIENCE IN CONSERVATION ECOLOGY**

GATSI, Munyaradzi Greg (Plantpatologie) **(MScConsEcol)**

HENDRICKS, Angela (Plantpatologie) BRIERS-LOUW, Willem Daniel

LABUSCHAGNE, Pieter Willem Jacobus (Wynbiotegnologie) DE VOS, Charli

O'RYAN, Carlynne (Wynbiotegnologie)

RUSSOUW, Andre (Plantpatologie) **MAGISTER IN DIE NATUURWETENSKAPPE IN**

VENTER, Brendan (Wynbiotegnologie) **BEWARINGSEKOLOGIE CUM LAUDE (MScBewEkol**

WEYER-HENDERSON, Gabriella Joy (Wynbiotegnologie) **CUM LAUDE)**

ZULU, Sibahle Nompilo (Plantpatologie) **MASTER OF SCIENCE IN CONSERVATION ECOLOGY CUM LAUDE (MScConsEcol CUM LAUDE)**

**HONNEURS-BACCALAUREUS IN DIE** ECKERT, Michelle

**NATUURWETENSKAPPE CUM LAUDE** GRAINGER, Cole

THERON, Kasselman Jurie

**(HonsBSc CUM LAUDE)**

**BACHELOR OF SCIENCE HONOURS CUM LAUDE**

**MAGISTER IN DIE NATUURWETENSKAPPE IN**

**(BScHons CUM LAUDE)**

**VOEDSELWETENSKAP (MScVoedselwet)**

DE VILLIERS, Doré (Plantpatologie)

**MASTER OF SCIENCE IN FOOD SCIENCE (MSc Food Sc)**

MASIKANE, Siyethemba Lindokuhle (Plantpatologie)

KUTAA, Georgina

VAN DER MERWE, Elizabeth (Plantpatologie)

**MAGISTER IN DIE NATUURWETENSKAPPE IN**

**HONNEURS-BACCALAUREUS IN DIE**

**VOEDSELWETENSKAP CUM LAUDE (MScVoedselwet**

**LANDBOUBESTUUR (HonsBAgricAdmin) CUM LAUDE)**

**BACHELOR OF AGRICULTURAL MANAGEMENT MASTER OF SCIENCE IN FOOD SCIENCE CUM LAUDE**

**HONOURS (BAgricAdminHons) (MSc Food Sc CUM LAUDE)**

ROSSOUW, Stephanus Francois (Landbou-ekonomie) ACKERMANN, Elisma

***Fakulteit Regsgeleerdheid***

***Faculty of Law IFakhalthi yezoMthetho***

**NAGRAADSE DIPLOMA IN INTELLEKTUELE**

**GOEDEREREG CUM LAUDE (NGDip (Intellektuele**

**Goederereg) CUM LAUDE)**

**POSTGRADUATE DIPLOMA IN INTELLECTUAL**

**PROPERTY LAW CUM LAUDE (PGDip (Intellectual**

**Property Law) CUM LAUDE)**

DE VILLIERS, Camille Ann

**NAGRAADSE DIPLOMA IN BELASTINGREG**

**(NGDip (Belastingreg))**

**POSTGRADUATE DIPLOMA IN TAX LAW (PGDip**

**(Tax Law))**

APPELGREIN, Jacobus Christiaan

BESTER, Jeanre

BRAND, Theunis Gerhardus de Waal

CORDY, Vernon Peter

GRIFFITHS, Ilse Warrene

LAUBSCHER, Johannes Christiaan Jacobus

MULLAJIE, Naweed

PIETERS, Bianca

PIETERSE, Björn Andrew

SCHEEPERS, Gabriël William

VAN DEVENTER, Natasha

VAN MARCKE, Renalta

VAN TONDER, Johandrie

VILJOEN, Albertus Johannes

**NAGRAADSE DIPLOMA IN BELASTINGREG CUM**

**LAUDE (NgDip (Belastingreg) CUM LAUDE)**

**POSTGRADUATE DIPLOMA IN TAX LAW CUM LAUDE**

**(PGDip (Tax Law) CUM LAUDE)**

DU TOIT, Liezle

STEENKAMP, Catharina Johanna

VAN DEN BERG, Cherisse

VAN ROOYEN, Johan Pienaar

VEENSTRA, Carien Magda

**BACCALAUREUS IN DIE REGSGELEERDHEID (LLB)**

**BACHELOR OF LAWS (LLB)**

ASHBURNER, Anastasia Myfanwy

BADENHORST, Mieke

BARNARD, Riane Antonette

BASSON, Inari

BOTES, Hanri

BRIDGER, Carey Andrea

BUTHELEZI, Siyanda

COLEMAN, Earl Dwight

DAMON, Andrea-Shalane

DANIELS, Janey

DE BEER, Donovan Jason Deon

DE WET, Alexis Christina

DIETRICH, Charmonique Jenni-Lee

DU PLESSIS, Adelle Charlene

DU TOIT, Marieke

DYANTYI, Inga Samantha

ESTERHUIZEN, Paul-Joffré

ETSEBETH, Stian

FAIRBAIRN, Nicholas Liam

FERRIS, Tatum Nicole

FOURIE, Zandri

FREDERICKS, Caryn Courtney

GOLIATH, Leilanie Zeozozandra Debrodesda

GOUWS, Catherine Sarah

HAMMOND, Amber

HARMSE, Christiaan Krog

HERBST, Hendrik Jacobus

JAMES, Shamice Taryne

JANSEN, Gretchen Sulene

JANSEN VAN RENSBURG, Barend Gabriel

JORDAAN, Shani

JOUBERT, Johannes Pieter

KLAASEN, Alden William

KRIEDEMANN, Amy

KRIEK, Isabella Elizabeth

LATEGAN, Robyn Aimee

LINDE, Tobietta Georgina

LOCK, Bianca Nontobeko

LOMBARD, Petrus Albertus

LOTZ, Gerty Christie

LOTZ, Juandri

MacFARLANE, Abbey-Jean

MARITZ, Ashley

MATTHEE, Chinelle

MECHANICOS, Geena Irene

MELATO, Lerato Nthabiseng

MENTZ, Michelle

MICHEL, Gaenor Jayne

MÜLLER, Danre Johan

MULLER, Jodie

NAMENE, Vistorina Persis Indileni

OOSTHUIZEN, Kyle

PIERCE, Gavin David

PRENTER, Cameron Mark Ross

RHEEDER, Chelsea

RITCHIE, Shelley-Jane

ROOPLAL, Lerissa

SAAYMAN, David Benjamin SAWYER, Matthew David

SCHWAEBLE, Kyle Thomas

SCOTT, Maria Magdalena

SENEKAL, Anke

SNYDERS, Muriel

SNYMAN, Tegan

STEENKAMP, Wouter Sebastian

STRYDOM, Emma Joan

TOBIN, Tyla Leigh

VAN DER MERWE, Lize Antoinette

VAN DER MERWE, Willem Theunis

VAN EEDEN, Gideon Francois

VAN GRAAN, Corné

VAN NIEKERK, Lucas Roux

VAN SCHALKWYK, Jacqueline

WILD, Kerry

WILLIAMS, Lauren Kate

WINTERBACH, Rachel Sharon WITTEN, Stephanie Alison

**BACCALAUREUS IN DIE REGSGELEERDHEID CUM**

**LAUDE (LLB CUM LAUDE)**

**BACHELOR OF LAWS CUM LAUDE (LLB CUM LAUDE)**

VAN HAGHT, Summer Catherina Shore

**MAGISTER IN DIE REGSGELEERDHEID (LLM)**

**MASTER OF LAWS (LLM)**

BADER, Nicoletta

DOODS, Susanne Michelle DU TOIT, Michelle

FOURIE, Mickayla

GONCALVES, Stephanie Ann

GOSSAR, Abdirahman Maalim

HÄHNER, Iris

HRUBE, Mandy

IWERSEN, Lisa Katrin

JANSE VAN RENSBURG, Werner

JANSEN VAN VUUREN, Johannes Petrus

KOBLITZ, Dominik

KÖNIG, Lina Sophie

KUZINYA, Fungai Mgcini

MANATSA, Proceed

MANUS, Konstantin Georg

MARÉ, Shaen

MARTIN, Sarafine Nakuuvandi

MEIER, Katharina

MFUNI, Nitta

MYNHARDT, Bianca Anne

PÖHLER, Bastian

PRASSE, Rene

RAMHEWA, Kudzai Sandra

SONDERMANN, Hubertus Maximilian Curt Peter

TREURNICHT, Marcel

TSHUMA, Brian

VAREKAMP, Barbara Felice

VON ABO, Crawford Lindsay WEIBRECHT, Marco

**MAGISTER IN DIE REGSGELEERDHEID CUM LAUDE (LLM CUM LAUDE)**

**MASTER OF LAWS CUM LAUDE (LLM CUM LAUDE)**

HAFERKORN, Kilian

HENZE, Michael

SCHERER, Lara Lavinia

SWANEPOEL, Philip

VAN BRUCK, Alexander

WEGENER, Jan-Eckhard

**MEDALJES** (Ter kennisname)

**MEDALS** (For your information)

**IIMBASA** (Ukwenzela ulwazi lwakho)

*Agriwetenskappe*

Prof AI Perold-medalje: Mnr K-H Pool

Prof PA van der Bijl-medalje: Me OM McGregor

|  |
| --- |
| **KANSELIERSTOEKENNING / CHANCELLOR’S AWARD / IBHASO LIKATSHANSILA**  *Departement Privaatreg*  *Department of Private Law*  *ISebe loMthetho waBucala*  **PROF MJ DE WAAL** |

Hofmeyr Van Schaik-medalje: Me E Frickel

P

rivaatreg-professor Marius de Waal se navorsing konsentreer hoofsaaklik op drie terreine: sakereg, erfreg en trustreg. Hy bly aan die voorpunt van hierdie gebiede, en die Hoogste Hof van Appèl het al in heelparty sake sy navorsing aangehaal. Hierdie B2-gegradeerde navorser van die Nasionale Navorsingstigting het reeds 28 boekhoofstukke en 40 artikels in portuurbeoordeelde vaktydskrifte die lig laat sien en tot sewe boeke bygedra, wat hom ’n voorbeeld maak van sosiale impak deur akademieskap. Sy toewyding aan sy vak- rigting het hom reeds drie keer ’n Alexander von Humboldtstipendium vir navorsing aan Duitse akademiese instellings besorg. Benewens sy kernrol aan die Universiteit Stellenbosch, is De Waal ook besoekende professor by die Universiteit van Parys Descartes (Parys V) in Frankryk en beklee hy die wissel- leerstoel van die Belgiese *Journal of Private Law*.

P

rofessor of private law Marius de Waal’s research encompasses three main areas: the law of property, the law of succession and the law of trusts. He has been at the leading edge of these fields, with the Supreme Court of Appeal citing his research in several matters. Having produced 28 book chapters and 40 articles in refereed journals and coproduced seven books, this B2-rated researcher of the National Research Foundation exemplifies social impact through scholarship. His dedication to his discipline has earned him an Alexander von Humboldt scholarship for research at German academic institutions on three occasions. Apart from his key role at Stellenbosch University, De Waal is also visiting professor at the University of Paris Descartes (Paris V) and holds the Belgian *Journal of Private Law* exchange chair.

# PROGRAM VIR DIE SESDE PLEGTIGHEID

*DIE FAKULTEIT LETTERE EN SOSIALE WETENSKAPPE (KWALIFIKASIES IN DRAMA, MUSIEK EN VISUELE KUNSTE UITGESLUIT)*

*’n Vriendelike beroep word op alle aanwesiges gedoen om selfone af te skakel en nie die saal tydens die plegtigheid te verlaat nie om sodoende te verseker dat die verrigtinge sonder ontwrigting verloop.*

1. Akademiese prosessie kom die saal binne. U word versoek om te staan terwyl hulle die saal binnekom en te bly staan vir die sing van die Nasionale Lied.
2. Sing van die Nasionale Lied (kyk binneagterblad). Neem asseblief daarna u sitplekke in.
3. Konstituering deur die Visekanselier.
4. Verwelkoming deur die Visekanselier en prof M Dlali.
5. Voorstelling van kandidate wat kwalifikasies ontvang deur die dekaan van die fakulteit en toekenning vankwalifikasies deur die Visekanselier.
6. Voorstelling van kandidate vir Kanselierstoekennings en oorhandiging van die toekennings deur die Visekanselier.
7. Sluiting deur die Visekanselier.
8. Akademiese prosessie verlaat die verhoog.

*Die aanwesiges word versoek om te bly staan totdat die akademiese prosessie uitgestap het.*

# PROGRAMME FOR THE SIXTH CEREMONY

*THE FACULTY OF ARTS AND SOCIAL SCIENCES (EXCLUDING QUALIFICATIONS IN DRAMA, MUSIC AND VISUAL ARTS)*

*To help ensure that the proceedings run their course without disruption, will all those present kindly keep their cell phones switched off, and refrain from leaving the hall, while the ceremony is in progress.*

1. Entrance of academic procession into the hall. You are requested to stand while it enters, and then to remain standing for the singing of the National Anthem.
2. Singing of the National Anthem (see inside back cover). Thereafter, please be seated.
3. Congregation formally constituted by the Vice-Chancellor.
4. Welcome by the Vice-Chancellor and Prof M Dlali.
5. Presentation of candidates receiving qualifications by the dean of the faculty and conferment of qualifications by the Vice-Chancellor.
6. Introduction of candidates for Chancellor’s Awards and presentation of awards by the Vice-Chancellor.
7. Closing by the Vice-Chancellor.
8. The academic procession leaves the stage.

*Those present are requested to remain standing until the entire academic procession has left the hall.*

# ISICWANGCISO-NKQUBO SOMSITHO WESITHANDATHU

*IFAKHALTHI EYEATHSI NEENZULULWAZI ZOBUNTLALONTLE (NGAPHANDLE KWEZINGQINI-MFUNDO ZEDRAMA, NOMCULO NOBUGCISA OBUBONWAYO)*

*Ukuqinisekisa ukuba umsitho uqala ngaphandle kwesiphazamiso, bonke abakhoyo bayacelwa ukuba bacime iiselfowuni zabo, kwaye bangaphumi eholweni ngeli xesha umsitho uqhubekayo.*

1. Kungena umkhosi wemithika eholweni. Niyacelwa ukuba nime ngeenyawo xa ungena, nihlale nime njalo ukuze kuculwe uMhobe weSizwe.
2. Kuculwa uMhobe weSizwe (Jonga kumphakathi weqweqwe lokugqibela). Emva koko, ningahlala phantsi.
3. UMsitho uvulwa ngokusesikweni nguSekela-Tshansila.
4. Ulwamkelo lwenziwa nguSekela-Tshansila noNjing M Dlali.
5. Ukunikezelwa kwezingqini-mfundo kubafundi yintloko yefakhalthi (idin) echaphazelekayo nokuthweswakwezingqini-mfundo nguSekela-Tshansila.
6. Ukwaziswa kwabagqatswa beBhaso likaTshansila nokunikezwa kwamabhaso nguSekela-Tshansila.7. Ukuvalwa komsitho nguSekela-Tshansila

8. Umkhosi wemithika uyalishiya iqonga.

*Bonke abakhoyo bayacelwa ukuba beme ngeenyawo de umkhosi wemithika ube uphume wonke eholweni.*

**KANDIDATE WAT KWALIFIKASIES ONTVANG**

*Die grade, diplomas en sertifikate van kandidate wat nie by die gradeplegtigheid teenwoordig kan wees nie, word in hulle afwesigheid toegeken.*

**CANDIDATES RECEIVING QUALIFICATIONS**

*The degrees, diplomas and certificates of candidates who are unable to attend the graduation ceremony in person are awarded in absentia.*

**ABAFUNDI ABAFUMANA IZINGQINI-MFUNDO**

*Izidanga, iidiploma kunye nezatifiketi zabafundi abangakwazanga ukubakho ubuqu kumsitho wothweso-zidanga bathweswa bengekho benjalo.*

## **DOKTORSGRADE DOCTORATES EZOBUGQIRHA**

***Fakulteit Lettere en Sosiale***

***Wetenskappe***

***Faculty of Arts and Social Sciences***

***IFakhalthi yezeAthsi neeNzululwazi zobuNtlalontle***

**PhD**

BEUKES, Wynand Johannes (Geskiedenis)

*Van Afrikanerkultuur tot korporatief: die geskiedenis van Sanlam se hoofkantoorpersoneelkorps, 1918-2008*

Die Suid-Afrikaanse maatskappy Sanlam is in 1918 gestig as ’n reg- streekse gevolg van die opwelling van Afrikaners se nasionalisme. Die maatskappy het van die begin af bekend gestaan as ’n Afrikaanse onderneming met ’n identifikasie met die boustene van Afrikanernasion alisme – die taal Afrikaans, die opheffing van Afrikaners, die belewing van hul geskiedenis en Christen-Protestantisme. Sanlam was daarop toegespits om ’n Suid-Afrikaanse instelling te wees wat ’n diens aan die hele Suid-Afrikaanse gemeenskap lewer. Teen 2008 het die hoofkantoorpersoneelkorps daardie groter identiteit verteenwoordig deurdat hulle daardie samelewingsveranderings vertolk het. Hierdie studie ontsluit die fundamentele herposisionering van die Sanlamhoofkantoorpersoneelkorps oor ’n tydperk van 90 jaar. *Promotor:* Prof G Verhoef

*Medepromotor:* Dr A Ehlers

BIJLOOS, Annemarie Dorothée (Applied Ethics)

*Ethics and risk: towards a responsible approach to acceptable risk impositions*

This research deals with the ethical evaluation of risk impositions. When – under what circumstances or conditions – is it acceptable to perform an action that exposes others to risk? The research attends to this question in three parts. The first part of the research explores the notion of risk and its relevance for normative philosophy. The second part investigates how four mainstream branches of ethical theory – utilitarianism, deontology, rights-based ethics, and contrac- tualism – individually evaluate risk impositions. The third part of the research develops an alternative approach to the evaluation of risk impositions, which combines theories of action with theories of virtue.

*Supervisor*: Prof AA van Niekerk

BURGESS, Meryl Joy (Political Science)

*A comparative study of the role of environmental NGOs in China and*

*South Africa in environmental policy*

The study explores the roles of environmental non-governmental organisations (NGOs) in conservation policy in two different political systems, one authoritarian (China), and the other a pluralist political system (South Africa). The study critically engages literature and debates on governance, participation and the input of private actors and civil society into policy making. It demonstrates that civil society and NGOs adopt three primary positions in the policy process – supplementary, complementary or adversarial to the government. In the field of conservation policy making, environmental NGOs in both South Africa and China play, to varying degree, all three roles in the political systems. *Supervisor*: Dr S Grimm

*Co-supervisor*: Prof S Cornelissen

COETZEE, Azille Alta (Philosophy)

*African feminism as decolonising force: a philosophical exploration of the work of Oyèrónké Oyĕwùmí*

In this dissertation the work of Nigerian feminist sociologist, Oyèrónké Oyèwùmí, is presented as a decolonising force that has the power to disrupt African philosophy, Western feminist thought and discourses on African decolonisation in highly significant ways. It is argued that Oyèwùmí, as African feminist scholar, occupies a unique epistemo- logical position that is rich in resources to subvert, rupture and enrich these dominant systems of knowledge from which African feminist voices are mostly excluded. This argument is made by placing Oyèwùmí in dialogue with African philosophy, on the one hand, and with Belgian feminist scholar, Luce Irigaray, on the other. *Supervisor:* Prof HL du Toit

*Co-supervisors*: Prof W Goris and Dr A Halsema

DAVIS, Herbert Douglas (Document Analysis and Design)

‘*Spyt kom te laat’. The development and evaluation of a health-related fotonovela about methamphetamine (‘tik’) use in the Western Cape and Northern Cape provinces of South Africa*

The aim of this research project was to establish if and why foto- novelas can be an effective tool to communicate the dangers associated with using methamphetamine (‘tik’). A health-related fotonovela about *tik* was developed for this purpose, adding fear appeal charact eristics to help improve the fotonovela’s effectiveness. Given the preference for the fotonovela over the traditional brochure, and the comparable knowledge and behavioural intentions that were identified after people had read the information in one of these formats, it is recommended that document designers consider using fotonovelas incorporating fear appeal characteristics as a health communication tool when dealing with *tik*.

*Supervisor:* Prof LG de Stadler

*Co-supervisor:* Prof CJM Jansen

DOUGLAS, Gillian Kathleen (Psychology)

*Use of the Vineland Adaptive Behaviour Scales in the assessment of intellec tually disabled complainants in sexual abuse cases in the Western Cape*

Sexual abuse of disabled people is a major human rights issue. The candidate analyses data as part of a broader project to improve access to appropriate justice for complainants with intellectual disability who have been sexually abused or raped. She demonstrates the complexity of psychological assessment in such cases, and shows how international assessment approaches fall short in the local context, requiring careful adaptation to local conditions. The study has implications for realising the rights of people with intellectual disability both locally and inter- nationally. Valid assessment processes in the psycho-legal context are an important component of access to justice.

*Supervisor*: Prof LP Swartz

*Co-supervisor*: Dr C Pretorius

DUBE, Charles (Social Anthropology)

*Zimbabwean migrants and the dynamics of religion and informal support associations in mediating everyday life in Cape Town*

This ethnographic study of Zimbabwean migrant church congregants living in Cape Town focuses on their daily experiences of negotiating social relationships, religiosity, conviviality and urban security. The study questions taken-for-granted assumptions of studies about migrants’ responses to urban contexts which are often characterised as ’xenophobic’. Yet, instead of withdrawing into enclaved, ’safe’ social spaces, the candidate’s study investigates how migrants strategically straddle the porous and unstable boundaries between the categories of insider and outsider, native and stranger, and national and foreigner. The study reveals the highly situational and contingent nature of migrant relationships and social practices of conviviality.

*Supervisor*: Prof SL Robins

*Co-supervisor*: Dr TD Cousins

FISHER, Laura Diane (Psychology)

*Registered counsellors at a crossroads: current status, professional identity and training realities*

The registered counsellor (RC) category within the profession of psychology in South Africa was envisaged to create ground swell for scaling up access to and provision of mental health care services nationally. This research study explored the current status of the RC category and the lived experiences of RCs with a focus on their journey of professional identity construction as well as the realities and challenges for training RCs. Findings based on a multimethod sequential research design provided insights into the lived experiences of RCs and challenges for training indicating the need for a radical overhaul of the nascent RC category. *Supervisor*: Prof AV Naidoo

GAUCHÉ, Ana Maria (General Linguistics)

*A relevance-theoretic analysis of selected South African English pragmatic markers and their cultural significance*

This study examined the development and contemporary functions of three pragmatic markers, *shame*, *hey* and *is it*, in South African English. The analysis was undertaken using the combined approaches of grammaticalisation theory and relevance theory. Each marker was found to manifest meanings and functions that are atypical of these elements in other English varieties. Phonological simplification, prag- matic strengthening and proceduralisation are the most apparent changes in the development of these markers, resulting from

(inter)subjectivity and leading to functions that trigger higher-level ex- pli catures. In their contemporary use, each marker demonstrates manifest social identity and signals solidarity within the context of South African English.

*Supervisor*: Dr KM Huddlestone

*Co-supervisor*: Dr J Oosthuizen

KLOPPER, Annie Elizabeth (Afrikaans en Nederlands)

*Identiteitskonfigurasies in wit Afrikaanse rap-musiek met spesifieke verwysing na Die Antwoord, Jack Parow en Bittereinder*

Hierdie proefskrif handel oor identiteitskonfigurasies in wit Afrikaanse rap-musiek. ’n Ondersoek na die hip-hop-kultuur en die mondelinge tradisies wat dit voorafgegaan het, word ingestel ten einde die aard, kenmerke en simboliese etos van rap-musiek te identifiseer. Drie gevallestudies volg daarop, naamlik van Die Antwoord, Jack Parow en Bittereinder. Deur op interdissiplinêre wyse te werk te gaan, word ’n kwalitatiewe ondersoek ingestel na die maniere waarop hierdie wit plaaslike rappers deur middel van die gebruik van ’n oorspronklike swart kultuurvorm op uiteenlopende wyses met die kwessie van identiteit omgaan, waardeur die nosie van vasgestelde of essensiële identiteite uitgedaag word. *Promotor:* Prof PH Foster

LOCATELL, Christian Steward (Ancient Languages)

*Grammatical polysemy in the Hebrew Bible: a cognitive linguistic approach to* kî

This is a study of the word *kî* in the Hebrew Bible, which has perplexed scholars by its semantic and syntactic versatility. This study shows that such versatility arises through and is organised by common cognitive processes that govern the use and development of language. This frees scholars from either simply listing its uses without a coherent ex- planation of their relationship or the impossible task of trying to find a singular meaning to unify all uses. The outlook of these results commends the application of this approach to other versatile words and constructions in the Hebrew Bible and beyond. *Supervisor:* Prof CHJ van der Merwe

MAKOMBE, Leonard (Journalism)

*How social media facilitate public participation in the election of a new government: a critical analysis of Twitter discourses in Zimbabwe during the 2013 elections*

This research is hinged on the overlapping fields of political studies, journalism and media studies and explores whether Twitter undercuts the role of dominating “elites” during a national election. An analysis of the quantitative data showed that a small minority, around 10 percent, of the participating users dominated Twitter discourses. This is a sign that, despite its openness, Twitter has subtle barriers to participation, which results in such asymmetries. Qualitative analysis, through dis- course historical analysis, showed that Twitter was a site for ideological conflict, which dispelled attempts to classify the platform as a new public sphere in the Habermasian sense. *Supervisor:* Dr GJ Botma

MARAIS, Adri (English Studies)

*Ever other: unsettling subjects in contemporary revisions of fairy tales*

Located in a larger area of scholarship that can be defined as revisionist feminist fiction, this dissertation focuses on revisions of classic fairy tales published as fictional works after 1990. These adaptations have moved beyond the concerns of second-wave feminism to include nonnormative interests and counterhegemonic world views as reflected by third-wave feminism. In this way they have taken on the insights of postcolonial and queer theory as well as ageing studies in order to explore how race, age and sexual orientation or gender identity intersect to create marginal subjects or ‘others’. The dissertation demons trates that the feminist retellings can be considered literary acts of confrontation, disruption and reinvention of exclusionary identity politics.

*Supervisor:* Prof SC Viljoen

*Co-supervisor*: Prof BC Steiner

MASHALE, Termica Rethabile (Social Work)

*Essential management tasks performed by volunteers on management committees of non-profit organisations*

Non-profit governance is a critical part of organisational development that contributes to social welfare in South Africa. NPO management committees are resourced by volunteers who perform a myriad of highly specialised management tasks. This study found that it is a gross injustice in social development to expect volunteers to take on statu- tory management tasks with no support or training. A comp rehensive capacity development approach is needed to empower volunteers to fulfil essential roles. The findings of the study influence the discourse on how volunteers perform essential management tasks to ensure that organisations and volunteers flourish within a neoliberal paradigm.

*Supervisor:* Prof LK Engelbrecht

MINAS, Edith Christina (African Languages)

*Complexity in task-based language teaching and learning of isiXhosa as a second language in primary schools*

This study investigates complexity in isiXhosa task-based second language (L2) learning and teaching in the Eastern Cape and South African primary school context in identifying the specific learning needs of young beginner second language learners in the school instructional context. It provides a sound theoretical foundation of language learning principles, supporting task-based teaching for young beginner isiXhosa learners within the framework of cognitive and social perspectives on second language learning. The study argues that task design is a primary concern in task-based second language teaching, allowing for learner participation through motivating communication task contents for isiXhosa and graded task complexity relating to individual learner factors.

*Supervisor:* Prof MW Visser

MORE, Jonathan (Ancient Cultures)

*Is Jesus king? A critical examination of Paul’s thought in the context of the*

*Hellenistic kingship* topos

The candidate compares the Hellenistic *topos* of ideal kingship with Pauline Christology in order to situate the apostle Paul’s writings within the intellectual milieu of the first century. He first examines the development of this *topos* in various Greek philosophical traditions as well as in texts from the Hebrew Bible and Hellenistic Jewish authors. The various configurations of ideal kingship found in these texts are then compared to those found in Paul’s letters. He concludes that Paul has drawn on both Hellenistic and Jewish traditions in order to depict Jesus, the Messiah, as vice-regent of God to Greco-Roman believers.

*Supervisor*: Prof JC Thom

MPOFU, Sibongile (Journalism)

*Are “untouched citizens” creating their deliberative democracy online? A critical analysis of women’s activist media in Zimbabwe*

This study examined Zimbabwean women’s political participation by investigating whether online media platforms provide space for critical communicative interaction to challenge dominant discourses and participate in politics. Anchored in the broader conceptualisation of political participation, the epistemological premise of the study explored how ’everyday conversations’ by women in blogs morph into political conversations. The findings revealed that blogs, as alternative spaces, offer possibilities for social transformation by enabling women to have a voice in political, socio-economic and cultural spheres, enabling them to challenge dominant discourses, providing a nuanced understanding of how previously “untouched citizens” can create a deliberative democracy online. *Supervisor:* Prof L Rabe

NWACHUKWU, Jeremiah Felix (Translation)

*Identifying and improving reading comprehension in the translation process: a visualisation approach*

This study involves identifying skills that can enhance source-text comprehension in translation. Two groups of students were divided into Groups A and B. Group A received training on Sowa’s (1984) conceptual-graphs formalism. During the experiment, both groups read a French source text, answering text-comprehension questions and translating the text into English. The performance of these tasks was monitored by screen-recording software performing video and audio recordings of on-screen and off-screen activities. The com- parative results reveal an overall tendency towards better source-text comprehension by Group A, concluding that the use of text visualisation as a tool should be advocated in translator training. *Supervisor:* Prof AE Feinauer

PRETORIUS, Erin (General Linguistics)

*Spelling out P: a unified syntax of Afrikaans adpositions and V-particles*

Grammatical categories are fuzzy. This dissertation probes the putative adposition or P-category via detailed investigation of Afrikaans’s understudied spatial P-domain. It delivers a unified generative account of simplex and complex prepositional phrases, circumpositional phrases, doubling adpositional phrases, and P-based verbal particles, demonstrating how observable category effects emerge as an epiphenomenon of the way in which the internal composition of syncretic elements combines with a fixed functional spine. This pro- posal has far-reaching consequences, notably that the formal mechanisms conditioning multiple macro-category membership (e.g. P and N or V) are identical to those conditioning multiple microcategory membership (e.g. locative and directional adposition).

*Supervisor:* Prof T Biberauer

*Co-supervisors:* Dr J Oosthuizen, Prof N Corver (External), Dr M van Koppen (External)

RABIE, Stephan (Psychology)

*A translation and psychometric investigation of* The South African Career Interest Inventory *across gender and race among secondary school learners*

South African career counselling and assessment practices have pre- dominantly been informed by Western theories, failing to take into account the country’s unique cultural and linguistic environment. The present study adapted and translated the *South African Career Interest Inventory* based on John Holland’s vocational theory to construct a career measure that is culturally and linguistically valid across both gender and race. This study makes a seminal contribution to career psychology in South Africa through constructing the first career interest inventory in isiXhosa. Findings confirm the reliability of the measure and represent a step in providing a more culturally and linguistically valid career measure. *Supervisor:* Prof AV Naidoo

SADIKI, Masindi Francina (African Languages)

*Persuasion in compliance-gaining messages in Tshivenda drama texts: a communication theoretic approach to interpersonal interactions*

The study explores compliance-gaining messages during interpersonal interactions that garner persuasion by critically analysing discourse excerpts from selected Tshivenda drama and prose literary texts. The study demonstrates interpersonal interaction and the choice of influence messages of participants involved in communication. Data analysis and interpretation involved identification of complianceseeking message excerpts that display the general interpersonal influence goal types in terms of the Goals-Plans-Actions model in persuasive message production stipulations. The study attested that the Goals-Plans-Actions theory applications may be employed to a range and variation in language-related socio-cultural values and norms identified from traditional to more modern society through persuasive communication evolving throughout successive generations. *Supervisor:* Prof M Dlali

SMIT, Hendrik Adolf Petrus (Geografie en Omgewingstudie)

*Military environmental literacy in the South African army*

Militêre aktiwiteit in oorlog en in vrede het ’n inherent destruktiewe impak op groot operasionele gebiede. In Suid-Afrika is militêre mag moreel en wetlik verplig tot verantwoordelike omgewingsoptrede. Die navorsing toets houdings en gedrag teenoor en kennis rakende die diverse fisieke, sosiale en kulturele omgewings waarin soldate optree. ’n Unieke meetinstrument, spesifiek gerig op militêre aanwending en replisering, is ontwikkel en getoets op meer as 1 100 soldate van die SA Leër. Resultate toon ’n algemeen bevredigende vlak van militêre omgewingsgeletterdheid by al drie gedragselemente. Nogtans is areas van onderprestasie by teikenbare personeelsektore uitgewys en vir ingryping deur die SA Leër se opleidingsvleuel aanbeveel. *Promotor:* Prof JH van der Merwe

STANDER, Okert Petrus Jakobus (Geskiedenis)

*Die voorkoms van wit armoede in Oudtshoorn tussen 1914 – 1937*

In sy studie oor wit armoede in Oudtshoorn en omgewing het die kandidaat historiese, omgewings- sowel as sosio-ekonomiese faktore ondersoek. Emosionele kwessies, soos die vernederende minder- waardigheidsgevoel en klasseverskille wat dit ten opsigte van onderwys en die kerk meegebring het, is belig. Daarby is staatsingrepe op die terrein van onderwys, bosbou, spoorweë, besproeiing en landbou ten opsigte van armoedeverligting ontleed. Ook die besonder ge- kontroleerde en gestruktureerde wyse waarop die kerk, as bron van hulp tot oorlewing, armes se materiële nood help verlig het, is aan die lig gebring. In samewerking met die staat kon die kerk maatskaplike probleme soos onderwysopheffing aanpak. *Promotor*: Prof WP Visser

YOUNG, Gert (Political Science)

*South African land reform as peacebuilding: integrating perspectives from social identity theory and symbolic politics in a peacebuilding conceptual framework*

Existing literature exhibits limited exploration of complex social iden- tities and symbolic interpretations prevalent in land reform. To understand how landowners experience land reform, and how these perspectives could contribute to a peacebuilding framework, an ethno- graphic case study of Limpopo landowners was conducted through 42 interviews. Findings include that landowner categorisation preferences are less based on race than role/function categories and, as such, they consider the land reform context less in terms of racial relations and more in terms of relationships between farmers, government officials and claimants with a strong lack of trust of government officials and a willingness to pursue partnerships with claimants.

*Supervisor*: Dr NL de Jager

|  |
| --- |
| **ANDER KWALIFIKASIES OTHER QUALIFICATIONS EZINYE IZINGQINI-MFUNDO** |

***Fakulteit Lettere en Sosiale Wetenskappe***

***Faculty of Arts and Social Sciences***

***IFakhalthi yezeAthsi neeNzululwazi zobuNtlalontle***

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ASH, Faye

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BAL, Mieke

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BENN, Justin

BESTER, Deretha

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SMITH, Hendrina Maria

SMITH, Lizandi

SMITH, Miriah

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VISSER, Regardt

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WIUM, Elise

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ENGELSMAN, Ulricha

ERASMUS, Dané Chearise

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NYEMBEZI, Sinazo

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ROODMAN, Thea Theresia

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SISWANA, Loyiso

SWARTBOOI, Stephanie Maureen Nelsonia

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MANDERE, Faith

MARKS, Engela Margaretha

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MATYANGA, Derren

MAZAMBARA, Barron Tapiwa

MJOLI, Amanda

MKHONZA, Sibusiso Emmanuel

MOHAMED, Camichelle Mildred

MOHARE, Romeo Diale

MUGOMA, Shellin

NCUBE, Mercy

NDAYI, Zwelibanzi

NTITSANE, Khauta James

NYATSVIMBO, Tinei Newton

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SOLWANDLE, Nomaxabiso Precious

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BAWA, Khadija (Filosofie)

BEUSTER, Lukas Robin Nigel (Geografie en Omgewingstudie)

BLAINE, Bruce Anthony Khayalethu (Afrikatale)

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BRODERS, Linda-Vanessa Sabine (Algemene Taalwetenskap)

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DE JONGH, Christiaan Louw (Internasionale Studie)

DE WET, Leane (Geografie en Omgewingstudie)

DEMPERS, Cara (Afrikaans en Nederlands)

DENNISTON, Chelsi (Internasionale Studie)

FISHER, Tyrone (English Studies)

GERICKE, Franco (Sielkunde)

GIARDINI, Maximillain Alexander (Geskiedenis)

GRAMBERG-DANIELSEN, Lillian Ise Katharina (Geografie en

Omgewingstudie)

GROENEWALD, Chelsea (Duits)

HATTO, Anelisiwe Omphitlhetse (Internasionale Studie)

HAY, Ira Barbara Caroline (Duits)

HERBST, Heinrich Wilhelm (Internasionale Studie)

HLATSHWAYO, Ruby Phindile (Afrikatale)

JANKIELSOHN, Philip James (Geografie en Omgewingstudie)

JEFFERY, Joanne Mary (Geografie en Omgewingstudie)

JOUBERT, Curtis (Geskiedenis)

JULIES, Izack John (Geskiedenis)

KISTING, Denè (Geografie en Omgewingstudie)

KOTZE, Johanna Maria (Duits)

LEIBRANDT, Fazlynn Zerilda (Afrikatale)

LENTSA, Ntina (Politieke Wetenskap)

LOCHNER, Nicole Jean (Algemene Taalwetenskap)

LOMBARD, Elizabeth Johanna (Politieke Wetenskap)

LÖTTER, Olivia Anne (Internasionale Studie)

LOUW, Jaco (Filosofie)

MACHAEA, Modumedi Joseph (Afrikatale)

MAGENGELELE, Lutho Asemahle (Sielkunde)

MAKER, Chané Natasha (Vertaling)

MANDY, Lindsay Gail (Internasionale Studie)

MASONDO, Nonduduzo Sinenhlahla Nokuthobeka (Internasionale

Studie)

MATENA, Maria Dimakatso (Algemene Taalwetenskap)

Mc EWAN, Kayla Ann (Internasionale Studie)

McRAE, Cailin (Geskiedenis)

MIDDLETON, Dylan (Geografie en Omgewingstudie)

MKHIZE, Njabulo Simo (Internasionale Studie)

NAIK, Nikhil Rajendra (Geografie en Omgewingstudie)

NAPOLI, Alessandro Giovanni Vincenzo (Internasionale Studie)

NEL, Isabel Gretha (Politieke Wetenskap)

NGWEXANA, Athi Nangomso (Algemene Taalwetenskap)

NYATHELA, Thulisa Tessa (Geskiedenis)

OPPEL, Leclue (Geografie en Omgewingstudie)

PEEK, Jordan Taylor Durant (Geografie en Omgewingstudie)

PERKIN, Caroline (Internasionale Studie)

POTGIETER, Stephanie (Sielkunde)

PRATA, Bianca Francesca (Geografie en Omgewingstudie)

REYNOLDS, Katherine Louise (Internasionale Studie)

RICKENS, Gina Marie (Internasionale Studie)

ROBINSON, Kerri-Leigh (Geografie en Omgewingstudie)

ROODT, Sune (Geskiedenis)

SCHARRER, Georgina (English Studies)

SCHOEMAN, Marzanne (Afrikaans en Nederlands)

SKINNER, Julia (Internasionale Studie)

SMITH, Shannon (Internasionale Studie)

SOBAHLE, Busiswa Jennifer (Internasionale Studie)

SOLOMONS, Curtley Matthew (Geskiedenis)

SONJIKA, Umwalimo Wally (Internasionale Studie)

STEPHENS, Sarah Beth (Geografie en Omgewingstudie)

STRAW, Jack (Geografie en Omgewingstudie)

TERBLANCHE, Marthie Isabelle (Afrikaans en Nederlands)

THOMAS, Annikha (Geografie en Omgewingstudie)

TUNNICLIFFE, Zara (Algemene Taalwetenskap)

VAN DER WESTHUIZEN, Kyla Debra (Geografie en

Omgewingstudie)

VAN LILL, Adré (English Studies)

VERTENTEN, Deané (Algemene Taalwetenskap)

VISSER, Beaurel Felicia (Geskiedenis)

WAGGIE, Ashrudeen (Geskiedenis)

WARDLE, Amy Leigh (Internasionale Studie)

WEIR, Lauren St Cecilia (Geografie en Omgewingstudie)

WILLIAMS, Tristanne Jade (Internasionale Studie)

WOLFE, Maxine (Sielkunde)

WOTSHELA, Chubekile (Geskiedenis)

ZAWU, Ruvimbo (Internasionale Studie)

**HONNEURS-BACCALAUREUS IN DIE LETTERE EN**

**WYSBEGEERTE CUM LAUDE (HonsBA CUM LAUDE)**

**BACHELOR OF ARTS HONOURS CUM LAUDE**

**(BAHons CUM LAUDE)**

ACKERMAN, Inge (Sielkunde)

BARENDSE, Jaimee (Afrikatale)

BAUTHI, Busiswa (Afrikatale)

BECK, Cassidy (Politieke Wetenskap)

BOCK, Ivan (Filosofie)

BRAND, Le-Nique (Filosofie)

BRUCKNER, Tanya Yvonne (Sielkunde)

CILLIERS, Ernst Charl (Internasionale Studie)

DU TOIT, Carli (Sielkunde)

DUKE, Lalia Sue Alison (Algemene Taalwetenskap)

DUVAL, Jessica Daniella (English Studies)

EHLERS, Landi (Internasionale Studie)

ELIJAH, Lorenzo (Filosofie)

FREDERICKS, Jordan Shain (Internasionale Studie)

GANNON, Jessica-Leigh (Geskiedenis) HALM, Tamsyn Robyn (Geskiedenis)

HANSON, Jodi (Sielkunde)

HERSHAW, Melissa Jane (English Studies) HLATSHWAYO, Zwakele (Afrikatale)

HLOPHE, Abgenia Rivoningo (Internasionale Studie)

HUNTLEY-WALKER, Nina Rose (Geografie en Omgewingstudie)

KOEGELENBERG, Mari (Afrikaans en Nederlands) MARTIN, Elizabeth Joy (Antieke Tale)

MASHAZI, Simangele Anne-Marie (Algemene Taalwetenskap)

MINNAAR, Sulette (Algemene Taalwetenskap)

NQOZA, Olwetu (Afrikatale)

OPITZ, Joschka Louis Christian (Internasionale Studie)

PHEWA, Segrentia (Afrikatale)

PLATO, Tasneem (Algemene Taalwetenskap)

POHL, Susanna Maria (Sielkunde)

POTGIETER, Jean-Marie (Algemene Taalwetenskap)

RASCH, Mirac Erdmann (Geskiedenis)

ROMAN, Samantha (Algemene Taalwetenskap)

ROSS, Raisa Mikhaila Lauren (Politieke Wetenskap) SCHNEIDER, Carron (English Studies)

STEYTLER, Candice Anne (Geskiedenis)

SÜLLWALD, Stephanie (Sielkunde)

SUTER, Dannah-Grace (Filosofie)

SVENDSEN, David (Geografie en Omgewingstudie)

THOMSON, Robyn (Internasionale Studie)

TOLLON, Fabio (Filosofie)

TROSSBACH, Anne Roswitha (Politieke Wetenskap)

TSABEDZE, Bhekumusa Saneliso (Afrikatale)

VAN DALEN, Daniel (Politieke Wetenskap)

VAN DER MERWE, Nicole (Geskiedenis)

VAN SCHALKWYK, Carla (Sielkunde)

VOSLOO, Jana Lydia (Filosofie)

WILKINSON, Laura Gery (Algemene Taalwetenskap)

YEH, Yi-Jou (Algemene Taalwetenskap)

**MAGISTER IN DIE LETTERE EN WYSBEGEERTE (MA)**

**MASTER OF ARTS (MA)**

ALEXANDER, Claudia (Sielkunde)

BAILLIE-STEWART, Adrian (Joernalistiek)

BUTT, Megan Pauline (Sielkunde)

COETZEE, Coenraad Johannes (Geskiedenis)

DE KWAADSTENIET, Nicole (Sielkunde)

DU TOIT, Stefani (Sielkunde)

FERREIRA, Jenavieve (Kliniese Sielkunde en Gemeenskapsvoorligting)

GALLOWAY, Theodore Sidney (Geskiedenis)

HENDRICKS-LALLA, Abeedah (Kliniese Sielkunde en

Gemeenskapsvoorligting)

HUNTER, Caitlin Adrienne (Geografie en Omgewingstudie)

KESSLAU, Moritz (Duits)

KOEKEMOER, Anja (Politieke Wetenskap)

LANGENHOVEN, Cherith Joy (Sielkunde)

MARLOW, Marguerite Barbara (Sielkunde)

MATTHEE, Thurstan Jean Vivian (Politieke Wetenskap)

MLAMBO, Nelson (Interkulturele Kommunikasie)

MURRAY, James Henry (Internasionale Studie)

MYENDE, Mthandeni Norman (Afrikatale)

SALIE, Mariam (Kliniese Sielkunde en Gemeenskapsvoorligting)

SEYMOUR HALL, Rochel (Sielkunde)

STRYDOM, Cornelia Nikke (Geskiedenis)

ZIMNY, Danielle (Algemene Taalwetenskap)

**MAGISTER IN DIE LETTERE EN WYSBEGEERTE**

**CUM LAUDE (MA CUM LAUDE)**

**MASTER OF ARTS CUM LAUDE (MA CUM LAUDE)**

ANTONES-DLAMINI, Rachel Tengetile (Afrikatale)

CLARK, Jacqueline Kim (Kliniese Sielkunde en

Gemeenskapsvoorligting)

COETZEE, Chris Rudolf (Klassieke Letterkunde)

DU TOIT, Simoné Nelize (Sielkunde)

EVERITT-PENHALE, Brittany (Kliniese Sielkunde en

Gemeenskapsvoorligting)

HECTOR, Michael Carl (Internasionale Studie)

HERBERT, Carmen Kendell (Filosofie)

HUMAN, Kayla (Sielkunde)

LANESMAN, Talia (Kliniese Sielkunde en Gemeenskapsvoorligting)

LUYT, Robyn (Algemene Taalwetenskap)

NOOR MAHOMED, Aqeela (Kliniese Sielkunde en

Gemeenskapsvoorligting)

PARRY, Douglas Anderson (Sosio-informatika)

ROMMELSPACHER, Amy Fairbairn (Geskiedenis)

SILBER, Jared Ross (Politieke Wetenskap)

SLABBERT, Talitha (English Studies)

**MAGISTER IN DIE WYSBEGEERTE (MPhil)**

**MASTER OF PHILOSOPHY (MPhil)**

AKANMU, Moses Atanda (Studie van Wetenskap en Tegnologie)

BRUCE LAMPTEY, Richard (Studie van Wetenskap en Tegnologie)

CHAWATAMA, Daniel (Monitering en Evalueringsmetodes)

DE KOCK, Ilse (Inligtings- en Kennisbestuur)

MLOTSHWA, Simon (Monitering en Evalueringsmetodes)

MOYANA, Farayi (Toegepaste Etiek)

STAPLES, Suzanne (Transdissiplinêre Gesondheids- en

Ontwikkelingstudie)

**MAGISTER IN DIE WYSBEGEERTE CUM LAUDE**

**(MPhil CUM LAUDE)**

**MASTER OF PHILOSOPHY CUM LAUDE (MPhil CUM**

**LAUDE)**

KANSIIME, Peninah (Openbare Geestesgesondheid)

NGWABI, Nozipho Theodorah (Monitering en Evalueringsmetodes)

**MAGISTER IN MAATSKAPLIKE WERK CUM LAUDE**

**(MMaatsk Werk CUM LAUDE)**

**MASTER OF SOCIAL WORK CUM LAUDE**

**(M Social Work CUM LAUDE)**

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| **KANSELIERSTOEKENNINGS / CHANCELLOR’S AWARDS / AMABHASO KATSHANSILA**  *Departement Engels*  *Department of English*  *ISebe lesiNgesi*  **PROF GA MUSILA** |

MULLER-KLUITS, Noreth

M

edeprofessor Grace Musila is ’n gerekende vakkundige oor Afrika-letterkunde en ’n openbare intellektueel. Met Oos- en Suider-Afrikaanse letterkunde en populêre Afrika- kultuur onder haar navorsingsbelangstellings, beywer dié dosent in die Departement Engels haar vir studies ván Afrika, déúr Afrika. As hoofnavorser het sy al aan etlike projekte saam met universiteite op die vasteland en elders gewerk. Musila was ook al ’n hoog aangeskrewe genoot van die Cardiff-regs- fakulteit, die Cadbury-stigting, die Stellenbosse Instituut vir Gevorderde Navorsing, en die Amerikaanse Vereniging vir Afrikastudie (ASA), Program vir Geesteswetenskappe in Afrika (AHP) en Sentrum vir Geesteswetenskappe (NHC). Sy word geloof vir haar gesofistikeerde hantering van die sosiale geskiedenis en folklore in haar monografie *A death re-told in truth and rumour* van 2015, wat Britse en Keniaanse vertolkings van die moord op die Brit Julie Ann Ward in die Maasai Maranatuurreservaat in 1988 verken.

A

ssociate professor Grace Musila is a renowned scholar of

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| *Departement Sielkunde*  *Department of Psychology*  *Isebe leSayikholoji*  **PROF LP SWARTZ**  itgelese sielkundeprofessor Leslie Swartz is ’n wêreld- istinguished professor of psychology Leslie Swartz is a bekende navorser op die gebied van geestesg esond heid-world-renowned researcher in the field of mental health  U  D |

African literature and a public intellectual. With Eastern and Southern African literature and African popular culture among her research interests, this lecturer in the English Department is an advocate for studies of Africa, by Africa. As principal investigator, she has worked on many projects with universities both on and off the continent. Musila has also been a valued fellow of Cardiff Law School, the Cadbury Foun- dation, Stellenbosch Institute for Advanced Study, and the American-based African Studies Association, African Huma- nities Program and National Humanities Center. Her 2015 monograph *A death re-told in truth and rumour*, exploring British and Kenyan interpretations of the 1988 murder of the Brit Julie Ann Ward in the Maasai Mara National Reserve, is lauded for its sophisticated treatment of social history and folklore. en gestremdheidstudie. Met meer as 200 publikasies op sy kerfstok, waaronder tydskrifartikels, boeke en boekhoof- stukke, is professor Swartz ’n toonaangewende deskundige en internasionale konsultant oor kwessies met betrekking tot geestesgesondheid in die globale Suide. Hierdie lid van die Wetenskapakademie van Suid-Afrika (ASSAf) en B-gegra deerde navorser van die Nasionale Navorsingstigting is ’n toonbeeld van wetenskap vir die samelewing. Hy spits hom tans toe op toegang tot gesondheidsorg vir mense uit kwes- bare groepe in Afrikalande, taaltoegang tot geestesg esond heidsorg, en die bou van navorsingsvermoë onder organ i sasies vir persone met gestremdhede in Suider-Afrika. Sy werk is al met vele eerbewyse bekroon, waaronder die Stalsprys vir sielkunde van die Suid-Afrikaanse Akademie vir Wetenskap en Kuns.

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| *Afdeling Leer- en Onderrigverryking*  *Division for Learning and Teaching Enhancement*  *ICandelo loPhuculo lwezokuFunda nokuFundisa*  **DR AD VAN DER MERWE** |

and disability studies. Having produced over 200 publications, including journal articles, books and book chapters, Professor Swartz is a leading authority and international consultant on issues pertaining to mental health in the global South. This member of the Academy of Science of South Africa (ASSAf) and B-rated researcher with the National Research Foun- dation epitomises science for society. His current work fo- cuses on access to health care for people from vulnerable groups in African countries, language access to mental health care, and building research capacity among the disabled people’s organisations of Southern Africa. His work has earned him various accolades, including the Stals prize for psychology of the *Suid-Afrikaanse Akademie vir Wetenskap en Kuns*.

D

r Antoinette van der Merwe van die Afdeling Leer- en

Onderrigverryking is ’n gerekende nasionale en inter- nasionale leier in die bevordering en akademieskap van onder- rig en leer. Sy het die Afdeling noukeurig opgebou en toegerus om die Universiteit se doelwit te bereik om uitnemende, immer vernuwende, meertalige en IKT-gesteunde onderrig en leer aan sy bestaande sowel as nuwe kennismarkte te bied. Haar bydrae tot haar terrein strek ook verder as die grense van die Afdeling: Sy het al in verskeie oudit- en evalueringspanele, as ’n beoordelaar van die Nasionale Navorsingstigting sowel as eksterne eksaminator en moderator vir etlike na- graadse studente gedien. Van der Merwe se veelvuldige navorsingsu itsette getuig van volgehoue uitnemendheid as be vorderaar van onderrig en leer, en het haar die Rektors- toekenning vir uitnemende diens reeds vier keer besorg.

D

r Antoinette van der Merwe of the Division for Learning and Teaching Enhancement is an esteemed national and international leader in teaching and learning promotion and scholarship. She has meticulously built up and equipped the Division to achieve the University’s aim of delivering excellent, continuously renewed, multilingual and ICT-assisted teaching and learning to both its existing and new knowledge markets. Her contribution to her field also extends beyond the boun- daries of the Division, having served on numerous audit and evaluation panels, as a National Research Foundation rev iewer as well as an external examiner and moderator to many post- graduate students. Van der Merwe’s multiple res earch out puts attest to sustained excellence in teaching and learning promotion, and has earned her the Rector’s award for service excellence four times.

# PROGRAM VIR DIE SEWENDE PROGRAM

## DIE FAKULTEITE TEOLOGIE EN INGENIEURSWESE

*’n Vriendelike beroep word op alle aanwesiges gedoen om selfone af te skakel en nie die saal tydens die plegtigheid te verlaat nie om sodoende te verseker dat die verrigtinge sonder ontwrigting verloop.*

1. Akademiese prosessie kom die saal binne. U word versoek om te staan terwyl hulle die saal binnekom en te bly staan vir die sing van die Nasionale Lied.
2. Sing van die Nasionale Lied (kyk binneagterblad). Neem asseblief daarna u sitplekke in.
3. Konstituering deur die Visekanselier.
4. Verwelkoming deur die Visekanselier en dr N Cezula.
5. Voorstelling van kandidate wat kwalifikasies ontvang deur die dekane van die betrokke fakulteite en toekenning van kwalifikasies deur die Visekanselier.
6. Voorstelling van kandidate vir Kanselierstoekennings en oorhandiging van die toekennings deur die Visekanselier.
7. Sluiting deur die Visekanselier.
8. Akademiese prosessie verlaat die verhoog.

*Die aanwesiges word versoek om te bly staan totdat die akademiese prosessie uitgestap het.*

# PROGRAMME FOR THE SEVENTH CEREMONY

## THE FACULTIES OF THEOLOGY AND ENGINEERING

*To help ensure that the proceedings run their course without disruption, will all those present kindly keep their cell phones switched off, and refrain from leaving the hall, while the ceremony is in progress.*

1. Entrance of academic procession into the hall. You are requested to stand while it enters, and then to remain standing for the singing of the National Anthem.
2. Singing of the National Anthem (see inside back cover). Thereafter, please be seated.
3. Congregation formally constituted by the Vice-Chancellor.
4. Welcome by the Vice-Chancellor and Dr N Cezula.
5. Presentation of candidates receiving qualifications by the deans of the respective faculties and conferment of qualifications by the Vice-Chancellor.
6. Introduction of candidates for Chancellor’s Awards and presentation of awards by the Vice-Chancellor.
7. Closing by the Vice-Chancellor.
8. The academic procession leaves the stage.

*Those present are requested to remain standing until the entire academic procession has left the hall.*

# ISICWANGCISO-NKQUBO SOMSITHO WESIXHENXE

## IIFAKHALTHI EYEZENKOLO NEYOBUNJINELI

*Ukuqinisekisa ukuba umsitho uqala ngaphandle kwesiphazamiso, bonke abakhoyo bayacelwa ukuba bacime iiselfowuni zabo, kwaye bangaphumi eholweni ngeli xesha umsitho uqhubekayo.*

1. Kungena umkhosi wemithika eholweni. Niyacelwa ukuba nime ngeenyawo xa ungena, nihlale nime njalo ukuzekuculwe uMhobe weSizwe.
2. Kuculwa uMhobe weSizwe (Jonga kumphakathi weqweqwe lokugqibela). Emva koko, ningahlala phantsi.
3. UMsitho uvulwa ngokusesikweni nguSekela-Tshansila.
4. Ulwamkelo lwenziwa nguSekela-Tshansila noGqr N Cezula.
5. Ukunikezelwa kwezingqini-mfundo kubafundi ziintloko zeefakhalthi (iidin) ezichaphazelekayo nokuthweswakwezingqini-mfundo nguSekela-Tshansila.
6. Ukwaziswa kwabagqatswa beBhaso likaTshansila nokunikezwa kwamabhaso nguSekela-Tshansila.
7. Ukuvalwa komsitho nguSekela-Tshansila
8. Umkhosi wemithika uyalishiya iqonga.

*Bonke abakhoyo bayacelwa ukuba beme ngeenyawo de umkhosi wemithika ube uphume wonke eholweni.*

**KANDIDATE WAT KWALIFIKASIES ONTVANG**

*Die grade, diplomas en sertifikate van kandidate wat nie by die gradeplegtigheid teenwoordig kan wees nie, word in hulle afwesigheid toegeken.*

**CANDIDATES RECEIVING QUALIFICATIONS**

*The degrees, diplomas and certificates of candidates who are unable to attend the graduation ceremony in person are awarded in absentia.*

**ABAFUNDI ABAFUMANA IZINGQINI-MFUNDO**

*Izidanga, iidiploma kunye nezatifiketi zabafundi abangakwazanga ukubakho ubuqu kumsitho wothweso-zidanga bathweswa bengekho benjalo.*

### DOKTORSGRADE DOCTORATES EZOBUGQIRHA

***Fakulteit Teologie***

***Faculty of Theology***

***IFakhalthi yezeNkolo***

**PhD**

CHO, Anna (Systematic Theology)

*Christian ethical implications of the presence of the kingdom as God’s performative action in the light of Speech Act Theory*

The candidate’s research engages some of the ethical implications re- lated to the theological concept of the presence of the kingdom as God’s performative action in history by reconsidering the role of the linguistic character of the Biblical text from the perspective of Speech Act Theory. In this regard, Christian ethics is not to be viewed simply as relating to the norms of human behaviour, or moral principles that are extrapolated from the Biblical text. Rather, the performance of ethics can be considered from the perspective of God’s action and intent in history (illocutionary force) in relation to the Biblical text. *Supervisor:* Dr DA Forster

CONRADIE, Jacobus Petrus (Nuwe Testament)

*Die interpretasie van die vervullingsitate in Matteus aan die hand van ironie as pragmatiese taalkomponent*

Die studie het die voorkoms van narratiewe, dramatiese en Sokratiese ironie in twaalf vervullingsitate van die Matteus-evangelie vanuit die perspektief van die pragmatiek bestudeer. Ironie kom daarin voor wanneer die veronderstelde leser daarvan oor meer inligting as die karakters daarin beskik. Die voorkoms daarvan in Matteus se ver- vullingsitate is belangrik omdat dit ’n meerdere betekenis as die letter- like daarin na vore bring. Die studie toon aan hoe ironie in die ver- vullingsitate in Matteus se geboorteverhaal, in aansluiting by dié daarbuite, funksioneer as ’n indirekte illokutiewe spreekakte wat die karakter en taak van die Messias ingrypend herdefinieer vir sy lesers. *Promotor:* Prof MJ Nel

KASSA, Friday Sule (Old Testament)

*Hospitality and its ironic inversion in Genesis 18 and 19: a theological-ethical study*

This dissertation breaks new exegetical ground by identifying irony as a rhetorical technique to interpret the references to hospitality in Genesis 18 and 19. This ironic reading critiques the traditional link between hospitality and kinship that exists in the Old Testament and in many African cultures. It challenges the reader to be held accoun- table towards the vulnerable ‘other’ (going beyond kinship) and to shoulder the responsibility to establish justice for all strangers, migrants and so-called aliens in the midst of faith communities who often struggle to rid themselves of exclusive kinship concerns. *Supervisor*: Prof HL Bosman

KIM, Pilkyun (Missiology)

*Christian discipleship as power encounter with South Korean indigenous leaders: an interculture theological study*

Intergroup relations and power dynamics between indigenous Korean leaders and Christians have influenced cultural and religious practices and religious transformations positively and negatively in South Korea. The dissertation explores how the dynamics have shaped an ethos and practice of mutual rejection, but also mutual acceptance, learning and critique of Christians and indigenous leaders. The intercultural theo- logical framework develops “life-together” and relationality (*sangsaeng*) in indigenous religion and self-emptying (*kenosis*) in Christianity to integrate religious and social dimensions of the ethos. It reconstructs and applies ”power encounter” to assess a Christian practice of trans- formational discipleship which includes particularities of both indige- nous and Christian healing and rituals. *Supervisor*: Prof DX Simon

OOSTHUIZEN, Johannes Jacobus (Practical Theology)

*Restoring the circle of courage in the lives of youth at risk through mentoring*

This study addresses the lack of effective intervention programmes for youth at risk, especially in South Africa. The objective was to evaluate the implementation of an intervention programme that utilises the circle of courage theory as basis. According to the circle of courage theory-constructive relationships are key to facilitate the healthy development of young people. Such relationships are often lacking in the lives of youth at risk and therefore the candidate argues that mentoring should be a core element in intervention programmes. Several youth ministry models were evaluated and the incarnational model was suggested as more suitable to minister to youth at risk.

*Supervisor*: Prof A Cloete

PAULO, Bonifacio (Old Testament)

*The centralisation of the worship of Yahweh according to the Jewish and*

*Samaritan Pentateuchs: a textual and theological study*

The candidate examined the different views on the centralisation of Yahweh worship in Deuteronomy 12 as reflected in the Jewish and Samaritan Pentateuch traditions. In contrast to the Jewish Pentateuch’s claim of Jerusalem as central place of worship and the priority of the Davidic line of election, the Samaritan Pentateuch claims this honour for the sanctuary on Mount Gerizim near Shechem, and argues in favour of the Mosaic tradition. The candidate investigated the historical, literary and theological motivations behind these different wordings, and concluded how these differences can be accommodated in Bible translation projects.

*Supervisor*: Prof LC Jonker

*External Co-supervisor*: Prof GR Kotzé (External)

ROJAS YAURI, Benjamin (New Testament)

*Cosmogonic presuppositions in Hebrews and its first-century philosophical context*

This multi-methodological research comprising historical-grammatical, socio-rhetorical and content analysis considers the relationship be- tween Hebrews’ cosmogonic presuppositions and its first-century philosophical context. The cosmogonic presuppositions present in first-century philosophy focussed on four main aspects: literary components, Creator, procedure of creating, and creation itself. The main finding is that Hebrews embraces a new cosmogonic perspective for its time, built on coherent presuppositions developed mostly in its reading of Jewish literature, among which the Scriptures of Israel, and particularly Genesis 1-3, takes a predominant place. This new per- spective stands apart from first-century cosmogonic presuppositions which were a diverse mixture of ideas. *Supervisor:* Prof J Punt

VAN TONDER, Helené (Ecclesiology)

*Recollection and confession: the Heidelberg Catechism as a site of memory in the Dutch Reformed Church, 1862-1963*

This dissertation provides an in-depth analysis of how the Heidelberg Catechism – an influential 16th century Reformed confessional document – functioned as a site of memory in the Dutch Reformed Church from 1862 to 1963. By drawing in part on insights from memory studies, the inquiry highlights the dynamic entanglement of recollection and confession in processes of identity construction. With reference to various pivotal episodes in which the Heidelberg Catechism was remembered (and forgotten), the study examines and explicates the characteristics and effects of the entanglement of recollection and confession on the identity of the Dutch Reformed Church during the stated period.

*Supervisor*: Prof RR Vosloo

*External Supervisor*: Prof G Harinck

*External Co-supervisor*: Prof WL van der Merwe

WIEGAND, Heinrich Johann (Praktiese Teologie)

*Evangelisasie deur sport- en rekreasiebediening:*

*‘n prakties-teologiese ondersoek*

Die uitvoering van die *missio ecclesiae* (Matt 28:16–20), wat Christus aan die kerk toevertrou het, word weens die kerk se gebrek aan evangelisasie aan bande gelê. Weens dié rede behoort die aanwending van sport- en rekreasie-aktiwiteite as evangelisasiemetode ondersoek te word. Die Suid-Afrikaanse sport- en rekreasiebediening, Sport vir Christus Aksie Suid-Afrika (SCAS), is die onderwerp van hierdie studie. Die studie stel ’n praktykgerigte kernmodel met die *Coram Deo* as die primêre doel voor oë. Deur ’n prakties-teologiese ondersoek iden- tifiseer die studie vier benaderings tot sport- en rekreasiebediening, te wete die sleutel-, medium-, aflos- en platform-benaderings, wat tot die bevordering van evangelisasie kan bydra.

*Promotor*: Prof IA Nell

*Medepromotor*: Prof M Nel

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**PhD**

AKURU, Udochukwu Bola (Electrical Engineering)

*Design optimisation and performance evaluation of flux switching machines for geared medium-speed wind generator drives*

The study proposed a novel approach for the multi-objective design optimisation of geared medium-speed flux switching wind generators, with the major emphasis on rare-earth-free designs for industrial-scale applications. Based on finite element analyses, whereby torque density, torque ripple and power factor were prioritised, multiple design options are provided for the designer to make informed selections. Generally, as the power level shifts from 10 kW to 3 MW, imp rove ments in terms of increased torque density and reduced torque ripple were obtained for the machines considered in the study. A 10 kW prototype was manufactured and tested, thereby confirming the finite element calculations. *Supervisor:* Prof MJ Kamper

AMUHAYA, Lilian Livutse (Electrical Engineering)

*Design and optimisation of direct-driven PM variable-flux synchronous generators for directly grid-connected slip-synchronous wind turbines*

In this study a novel variable-flux permanent magnet synchronous generator topology for direct-drive wind turbine applications was developed. This generator topology allows for variable-flux capability as well as reduced active mass. A unique optimisation procedure was developed to design the permanent magnet to produce the main flux and the rotor field coils to produce the necessary flux for grid com- pliance. This design topology is a first to be demonstrated in a directconnected grid-compliant wind generator system. The study showed through analysis and tests that the deep-buried permanent magnet design with rotor field coils is a viable hybrid solution for gridconnected generators. *Supervisor:* Prof MJ Kamper

BEYERS, Wilhelm André (Mechanical Engineering)

*Predicting structural behaviour of pressure vessels using large-scale meta-modelling applied to plug type heat exchanger header boxes*

Plug type header boxes are predominantly designed according to the ASME’s Boiler and Pressure Vessel Code, which is widely known to be conservative. In this study a less conservative analysis tool was de- veloped, in the form of a meta-model. The tool provides designers with real-time predictions of the stresses in a header box, with an accuracy similar to a detailed finite element analysis. Designers can use this model to search for optimal designs and identify what the structural effects are when individual header box dimensions are changed in order to promote a better understanding of these structures. *Supervisor:* Prof G Venter

HOWARD, Eduan (Electrical Engineering)

*Design optimisation of reluctance-synchronous machines: a motor and generator study*

The study focused on the design optimisation of reluctancesynchronous electrical machines for motor and generator drive appli- cations. The study proposes techniques that can be implemented in the design process to minimise or remove the inherent weaknesses of the machine. Some of the machines designed using these techniques were manufactured and tested, to validate the proposed design method o logy. The study also focussed on the design of reluctance-synchronous machines in the high power range for wind generator applications. It was found that this type of machine can be used in high power applications with competitive efficiency and power factor performance. *Supervisor:* Prof MJ Kamper

KENNON, Denzil (Industrial Engineering)

*Towards an anti-fragile South African SME*

Small and medium enterprises contribute substantially to the South African economy. However, they are exposed to highly volatile en- vironm ents, which threaten their survival. Systems respond to stressors in one of three ways: by being fragile, resilient/robust or, as an alternative, anti-fragile. Anti-fragility is the response through which small and medium enterprises can prosper in times of volatility. The study sees an enterprise as a complex adaptive system, which is comprised of subsystems and components that align to fulfil the enterprise’s purpose. A framework is proposed, which guides the enterprise on how to organise itself for improved anti-fragility.

*Supervisor:* Prof CSL Schutte

*Co-supervisor:* Mr KH von Leipzig

KRAUSE, Willie (Industrial Engineering)

*An approach to enable and advance open innovation for small and medium-sized enterprises*

Available research shows that, for small and medium-sized enterprises (SMEs), there are benefits to using open innovation. However, current open innovation practices tend to be ad hoc in nature and are usually not managed as a formalised approach. This study developed an approach that SMEs can use for the implementation, execution and improvement of open innovation within their organisations. The approach consists of an open-innovation life cycle framework, as well as design propositions with detailed descriptions filling out the framework and a toolset of templates that help users better interact with the content of the approach.

*Supervisor:* Prof CSL Schutte

LOOTS, Erik (Industrial Engineering)

*Employee incentives engineering: towards a decision support system*

Recognising that the performance of organisations is adversely affected by employees who are not appropriately incentivised, and that existing research is extensive yet difficult to use, this research contemplated how organisations could use the existing literature to enhance organisational performance. This was addressed through the develop- ment of a decision support system (DSS) that can be used to improve an organisation’s employee incentive practices. The DSS was built around the thirteen Primary Incentive Plan Design Considerations (PICs). The PICs are a unique amalgamation from influential research papers that deal with incentives and motivation from various disciplines.

*Supervisor:* Prof CSL Schutte

MOLTENO, Matthew Robert (Mechanical Engineering)

*Measuring fracture properties using digital image and volume correlation: decomposing the J-integral for mixed mode parameters*

Materials’ resistance to brittle fracture is widely used to estimate safe operating parameters for mechanical structures. Non-contact measurements using digital image correlation allow the extraction of these parameters from structures in situ, accounting for their complex geometry and loading, which is not possible with standard fracture toughness tests. The developed framework extracts the fracture toughn ess from 3D image reconstructions of the surface, and x-ray image reconstructions in the volume, in the separate opening, sliding and shearing fracture modes required for structural integrity eva- luations. The work aims to supplement standard testing procedures, and accelerate the use of full-field optical measurements in South African industries.

*Supervisor:* Dr TH Becker

PRETORIUS, Gerhardus Dirk Petrus (Industrial Engineering)

*An interactive supply framework to improve the successful outcome of the acquisition of a complex weapon system*

This study investigated the contribution of various enabling human factors to the success of a project to order a complex weapon system, during the design acquisition phase when interacting with a customer. An interactive supply framework was developed and successfully applied in a case study that investigated six different projects. These projects supplied military vehicles to international armed forces over a ten-year period in three countries. The insights gained from the study will assist practitioners involved in similar projects to improve client interactions and nurture proactive relationship strategies. The success rate of a project will thus be increased or accelerated.

*Supervisor:* Prof ND du Preez

*Co-supervisor:* Dr L Louw

SIMUSHI, Saboi Sitwala Joseph (Civil Engineering)

*Project management strategy: an integrated model of managing large projects*

This dissertation investigated how time and cost overruns develop in large infrastructure projects. Previously, overruns were thought to be caused by independent causes in the project environment. In this research, it was established that the root cause originates from the external and extended to the organisation and project environments, implying that a solution should include the management of the external and organisation environments. The novel solution is to establish a project implementation organisation, and a project risk management agency, to increase the project management role in the client or- ganisation, and to improve the concept formulation process in the project environment. *Supervisor:* Prof JA Wium

SORGDRAGER, Albert Johan (Electrical Engineering)

*Design of line-start permanent magnet synchronous machines using the Taguchi method*

This study focused on the development of a comprehensive design optimisation framework for line-start permanent magnet synchronous machines (LS PMSM), which could effectively consider both steadystate and transient synchronisation performance objectives. The use of the Taguchi method for robust design was adopted and improve- ments were implemented to enable its use in an iterative optimisation process. An analytical synchronisation criterion was formulated and used as a quantifiable performance objective in the design optimisation. It has been shown that the proposed framework can effectively realise a balanced and robust design for the most commonly used LS PMSM rotor topologies. *Supervisor:* Prof R-J Wang

*External Co-supervisor:* Dr AJ Grobler

TERBLANCHE, Stephanus Esias (Industrial Engineering)

*Resource-constrained project scheduling models and algorithms applied to underground mining*

In this dissertation, the challenges of underground mine planning were addressed by employing resource-constrained project scheduling models and algorithms. Modifications to an existing resource-flow for- mulation were proposed in order to accommodate mining-specific modelling requirements. A Benders decomposition approach was followed for the purpose of improving the computation of feasible solutions when considering large problem instances. Separation subroutines and a primal heuristic were proposed to facilitate the decomposition within a branch-and-cut framework. Computational results, based on randomly generated data and real data from a South African underground mine, demonstrated the superior scalability of the newly proposed algorithmic approaches. *Supervisor:* Prof JH van Vuuren

VAN DER MERWE, Michael David (Industrial Engineering)

*The base of the pyramid: a growth framework for SMME action*

The base of the pyramid (BOP) is a term that denotes the poorest socio-economic segment of a population. Profitable small-, mediumand micro-sized enterprise (SMME) action at the BOP is widely accepted as an ideal route to inclusive development since this views the BOP as customers, co-creators, clients and employees. Further- more, an association has been shown between high enterprise growth and specific enterprise attributes, behaviours, strategies and decisions, i.e. growth factors. A framework was designed by determining, amending and amalgamating these factors within the BOP context to promote enterprise action, which results in improved growth and sustainable poverty alleviation.

*Supervisor:* Prof CSL Schutte

*Co-supervisors:* Mr KH von Leipzig and Prof SS Grobbelaar

WEYERS, Morne Alfred (Industrial Engineering)

*An investigation into the application of the supply chain operations reference model for the service supply chain for standardised back office services*

The service industry has grown tremendously, drawing more attention to services and optimal service management practices. Despite its importance, limited research has been conducted on service supply chain management (SSCM). Previous research suggests that the concept may not apply easily to services. This study makes a novel contribution by developing a new service classification framework, as well as showing that a supply chain model (SCM) can be successfully adapted and applied from manufacturing by using a structured approach. This will enable practitioners to gain access to mature SCMs from manufacturing and better apply them to services, specifically standardised back-office services. *Supervisor:* Dr L Louw

ZERANKA, Stephan (Civil Engineering)

*Steel fibre-reinforced concrete: multi-scale characterisation towards numerical modelling*

Steel fibre-reinforced concrete (SFRC) applications have increased in quantity and variety. Methods for material characterisation constitutive modelling and design must be improved in order to facilitate this demand. Limited literature is available on the direct shear response of SFRC and even fewer investigations attempt to link the transverse pullout behaviour of individual fibres to the composite response. This dissertation designs, fabricates and executes experimental tests to characterise the Mode I and Mode II fracture at the micro- and mesoscale of observation. A material model was developed and validated numerically. An empirical model reconciled the fibre component with the Mode II meso-scale response. *Supervisor:* Prof GPAG van Zijl

**DEng**

DAVIDSON, David Bruce (Electronic Engineering)

*Contributions to engineering electromagnetics*

This dissertation presents an overview of the publications of the can- didate and his research group on engineering electromagnetics, in particular computational electromagnetics (CEM). This included pioneering work on high performance computing in CEM using trans- puters; work on the theory and application of finite difference and finite element methods, focussing especially on higher-order solutions; error estimation in numerical solutions; applications to radio astro- nomy instrumentation design and development; and recent work on near-field antenna metrology and wave propagation. The candidate’s research significantly advanced the field of engineering electro magnetics and has significantly impacted on local and international industry via the contributions to new simulation software.

*Supervisor*: Prof P Meyer

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| --- |
| **ANDER KWALIFIKASIES OTHER QUALIFICATIONS EZINYE IZINGQINI-MFUNDO** |

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MATTHEE, Cindy (Bedryfsingenieurswese)

MATTHEE, Inge (Bedryfsingenieurswese)

MAYBERY, Giles Hubert Coyle (Elektries en Elektronies)

McLEOD, Claudia (Siviel)

McNEILL, Bradley Dylan (Siviel)

McCOMB, Guy Patrick Robert (Meganies)

McCULLOUGH, Michael John (Elektries en Elektronies)

McEWAN, Sarah Ann (Meganies)

McGINN, Heather (Chemies)

McGREGOR, Felix du Plessis (Elektries en Elektronies)

McNALLY, Byron Richard (Megatronies)

MDAKANE, Lethiwe Philile (Elektries en Elektronies)

MEEK, Ruth Katherine (Chemies)

MEIRING, Zander (Meganies)

MEYER, Jacobus Esias (Elektries en Elektronies)

MEYER, Markus Willem (Siviel)

MEYER, Tamara Elizabeth Catherine (Meganies)

MEYER, Thomas Oliver (Meganies)

MILES, Sabrina (Bedryfsingenieurswese)

MOODLEY, Theashen (Chemies)

MOOLMAN, Pieter Lafras (Meganies)

MORISON, Storm Diana (Chemies)

MORTON, Daniel Devaughan (Bedryfsingenieurswese)

MOUTON, Christiaan Jacobus (Meganies)

MOUTON, Jandre Herman (Meganies)

MOWZER, Muhammad Yusuf Bashirodin (Elektries en Elektronies)

MÜLLER, Johannes Dawid Jordaan (Siviel)

MULLER, Michal (Siviel)

MULLER, Robert (Bedryfsingenieurswese)

MULLIN, Matthew Tilbury (Elektries en Elektronies)

MURUGAN, Kalayvaani (Meganies)

MWAMBA, Hervé Mukenya (Megatronies)

MWAMFUPE, Veronica (Siviel)

MWILA, Anthony Mukuka (Elektries en Elektronies)

NAIDOO, Omeshan (Chemies)

NARAINDASS, Yuveer (Elektries en Elektronies)

NAUDÉ, Ashley Kendal (Elektries en Elektronies)

NAUDE, Jonathan David (Meganies)

NAUTA, Emile Reinder (Chemies)

NEL, Emile Waldemar (Megatronies)

NEL, Philip (Meganies)

NEL, Theuns (Bedryfsingenieurswese) NIEUWOUDT, Inge (Meganies)

NIEUWOUDT, Riaan (Elektries en Elektronies)

NOBRE, Toni Jo (Bedryfsingenieurswese)

NOLTING, Christian Wolfgang (Meganies)

NORTJE, Morne Andries (Bedryfsingenieurswese)

NOTHNAGEL, Albertus Erik (Elektries en Elektronies)

OAGENG, Tsholofelo (Siviel)

OLIVIER, Jacques (Chemies)

OOSTHUIZEN, George le Roux Eastland (Siviel)

OOSTHUIZEN, Helgard la Grange (Elektries en Elektronies)

OPPERMAN, Michael (Bedryfsingenieurswese)

PAINTSIL, Ato Anseiku (Meganies)

PALMER, Lauren (Elektries en Elektronies)

PASTELLIDES, Stavros George (Elektries en Elektronies)

PAULS, Gareth Craig (Chemies)

PEACH, Dian Samuel (Meganies)

PEARCE, David Anthony (Meganies) PECKHAM, Jason Jack (Siviel) PERRY, Tyler Saul (Chemies)

PESCH, Heino (Chemies)

PETERMANN, Hakon (Elektries en Elektronies)

PHILLIPSON, Amor (Bedryfsingenieurswese)

PICK, Brandon Carl (Meganies)

PIEK, Jacques (Meganies)

PIENAAR, Jacob Johannes (Siviel)

PIETERS, Reinhardt (Meganies)

PILLAY, Keshini (Chemies)

PLOTZ, Joka (Meganies)

POTGIETER, Brian (Siviel)

PRETORIUS, Barend Johannes (Megatronies)

PRETORIUS, Ruan (Chemies)

PRICHARD, Serina (Siviel)

PRINS, Albertram Jamie-Lee (Siviel)

RADEMEYER, Jacobus Johannes (Megatronies)

RAUTENBACH, Willem Johannes (Meganies)

RAYNER, Darren Chad (Siviel)

REED, Edwin Richard (Bedryfsingenieurswese)

REED, Keenan Wilbur (Siviel)

RETIEF, Hanré (Bedryfsingenieurswese)

REYNARD, Matthew Joshua (Elektries en Elektronies)

REYNIERSE, Henry Edward (Siviel)

RICHARDS, Rowan Christopher (Chemies) RIETOFF, Lenische (Bedryfsingenieurswese)

RIVAS GARCíA, Victor Manuel (Meganies)

ROBINSON, Daniel Leonard (Elektries en Elektronies)

RODRIGUES, Anwar (Siviel)

ROELOFSE, Balthus Johannes (Chemies)

ROLO, Monica Celestina (Bedryfsingenieurswese)

ROSS, Brandon Sean (Chemies)

ROSSOUW, Anton Calitz (Bedryfsingenieurswese)

ROSSOUW, Daniel Hendrik (Chemies)

ROSSOUW, Emile (Meganies)

ROSSOUW, Johannes Gerhardus (Meganies)

ROUX, Jacobus Petrus (Elektries en Elektronies)

RUMANEY, Hishamuddien (Elektries en Elektronies)

RUST, Johannes Petrus (Siviel)

RYALL, Stephen James (Meganies)

SAAYMAN, Ruben Lourens (Siviel)

SADIE, Adriaan (Elektries en Elektronies)

SADIE, Andre (Elektries en Elektronies)

SCHEEPERS, Eugene Jurie (Meganies)

SCHMIDT, Jacob Michal (Siviel)

SCHOEMAN, Chanell (Meganies)

SCHONEGEVEL, Nicholas (Chemies)

SCHWALB, Alexander Johan (Elektries en Elektronies) SCOTT, Daniel James Mason (Meganies)

SCOTT, Katherine Anne Brereton (Chemies)

SEQUEIRA, Carla Patricia (Siviel)

SIMS, Nicholas Michael (Bedryfsingenieurswese)

SKINNER, Gilmore Eugene (Megatronies)

SLABBERT, Zandalee (Siviel)

SMIT, Cornelia Francina (Chemies)

SMIT, Herman Benjamin (Siviel)

SMITH, Joel Edward (Megatronies)

SMITH, Miguel Hamilton (Elektries en Elektronies)

SNYMAN, Jacobus Petrus (Siviel)

SOLOMONS, Lyndon Adrian (Elektries en Elektronies)

SPARROW, Dale Eric (Megatronies)

STANDER, Christo (Meganies)

STARKE, Megan Marya (Meganies)

STATT, Cundell Peter (Elektries en Elektronies)

STEENKAMP, Brenwynne Jacobus (Chemies)

STEGMANN, Marcel Edward (Elektries en Elektronies) STEVENAGE, James Charles (Megatronies)

STEYL, Charl Cilliers (Elektries en Elektronies) STEYN, Kyle Carlisle (Elektries en Elektronies)

STEYN, Pierre Luc (Chemies)

STONE, Lorna (Siviel)

STRAUSS, Cobus (Meganies)

STUBBS, David Reuben (Elektries en Elektronies)

SULLIVAN, Scott (Siviel)

SWANEPOEL, Joubert Pieter (Siviel)

SWANEPOEL, Pierre (Siviel)

SWART, Jaco Samuel (Elektries en Elektronies)

TANZER, Julian Guy le May (Megatronies)

TEMPELMAN, Koenraad Marinus Sebastiaan (Siviel)

THOMAS, Thandolweth Luvuyo (Siviel)

THOMAS, Todd Jason (Siviel)

THOMAS, Victoria-Lea Val (Bedryfsingenieurswese)

TOPKIN, Anja Elizabeth (Siviel)

TREDOUX, Carlie (Siviel)

TROLLIP, Kristov (Bedryfsingenieurswese)

TUCKER, Mandy (Chemies)

UYS, Jakobus van Niekerk (Chemies)

UYS, Pieter Johannes (Elektries en Elektronies)

VAN BAALEN, Ian (Bedryfsingenieurswese)

VAN BOSCH, Jacques (Meganies)

VAN BREDA, Kinte (Siviel)

VAN DEN BERG, Waldo Stefan (Megatronies)

VAN DER MERWE, Ernest Leonard (Meganies)

VAN DER MERWE, Ruan Henry (Elektries en Elektronies)

VAN DER SPUY, Liam Roy (Siviel)

VAN DER STOKKER, Luke Hans (Elektries en Elektronies)

VAN DER VYVER, Karla (Chemies)

VAN DER WALT, Douw Gerbrand (Siviel)

VAN ECK, Willem Lukas (Elektries en Elektronies)

VAN EEDEN, Eduan George (Siviel)

VAN HAGHT, Jordan Robert (Elektries en Elektronies)

VAN HUYSSTEEN, Stephen (Chemies)

VAN LOGGERENBERG, Heinrich (Siviel)

VAN NIEKERK, Jacobus Everhardus (Meganies)

VAN REENEN, Liesl Sjan (Bedryfsingenieurswese)

VAN SANTEN, Johannes Wynand (Meganies)

VAN STRAATEN, Diederick (Bedryfsingenieurswese)

VAN T SLOT, Duan (Elektries en Elektronies)

VAN TONDER, Westley (Siviel)

VAN VEIJEREN, Danielle (Elektries en Elektronies)

VAN WYK, Jan Hendrik Hofmeyer (Meganies)

VAN WYK, Ruben James (Megatronies)

VAN ZYL, Casper Jacobus Johannes (Megatronies)

VAN ZYL, Daniel (Meganies)

VAN ZYL, Erasmus Johannes (Meganies)

VAN ZYL, Pieter (Megatronies)

VAN ZYL, Thys (Bedryfsingenieurswese) VEEN, Shaney (Bedryfsingenieurswese)

VENTER, Adam John (Meganies)

VENTER, Bernard Hermann (Elektries en Elektronies)

VENTER, Jurie Heinrich (Siviel)

VENTER, Michael James (Meganies)

VERBURGH, Cornelis Arie (Elektries en Elektronies)

VERMEULEN, Carla Ingrid (Bedryfsingenieurswese)

VILJOEN, Johannes Petrus (Elektries en Elektronies)

VILJOEN, Pedre (Megatronies)

VISAGIE, Abraham (Megatronies)

VISSER, Michiel George (Bedryfsingenieurswese)

VON WIELLIGH, Christiaan Lodewyk (Elektries en Elektronies)

VORSTER, Johannes Gysbertus (Meganies)

VOSLOO, Christoffel Jacobus (Meganies)

WALKER, Mark James (Bedryfsingenieurswese)

WAREHAM, Tanner (Chemies)

WERLE VAN DER MERWE, Andreas (Meganies)

WHITEHEAD, James Ramsay (Siviel)

WICKS, Martin Richard (Chemies)

WILSON, Stuart James (Megatronies)

WITBOOI, Vincent Kenneth (Elektries en Elektronies) WOODS, Roxanne (Bedryfsingenieurswese)

WYNNE, Duncan Owen (Bedryfsingenieurswese)

ZIETSMAN, Johan Hendrik (Siviel)

ZYLSTRA, Iwan (Elektries en Elektronies)

**BACCALAUREUS IN DIE INGENIEURSWESE CUM LAUDE (BIng CUM LAUDE)**

**BACHELOR OF ENGINEERING CUM LAUDE**

**(BEng CUM LAUDE)**

BASSON, Suzanne Esther (Siviel)

BUYS, Christiaan Ernst (Siviel)

DE BONDT, Franco Hibbard (Siviel)

DE KLERK, Danielle Lee (Chemies)

DE KORTE, Ryno Johan (Megatronies)

DE LANGE, Lydia (Elektries en Elektronies)

DU PLESSIS, Marno (Bedryfsingenieurswese)

DU PREEZ, Anli (Bedryfsingenieurswese)

ELOFF, Ryan Peter (Elektries en Elektronies)

ERASMUS, Anthonie Philippus (Elektries en Elektronies)

HANEKOM, Mari (Meganies)

HURTER, Ruan Martin (Chemies) KARAAN, Muhammad (Chemies)

KAZMAIER, Jacqueline (Bedryfsingenieurswese)

LAUBSCHER, Willem Adriaan (Elektries en Elektronies)

LESTER, Lauren Andrea (Siviel)

LOCHNER, Jacobus Nicolaas (Elektries en Elektronies)

LOMBARD, Francois Nicolaas (Elektries en Elektronies)

LOUW, Madelein (Bedryfsingenieurswese)

MITCHELL, Lauren Elizabeth (Elektries en Elektronies)

MOHR, Wilko Stefan (Siviel)

MOORCROFT, Jacobus Johannes (Chemies)

NORTJE, Andre Dylan (Elektries en Elektronies)

OCHABSKI, Thomas Michal (Meganies)

PALANDUZ, Kemal Marice (Meganies)

SMIT, Andries Petrus (Elektries en Elektronies)

SWART, Ryno (Elektries en Elektronies)

VAN BILJON, Elan (Elektries en Elektronies)

VAN DE MERWE, Charl Viljoen (Elektries en Elektronies)

VAN ZIJL, Christof Moolman (Meganies) VISSER, Divan (Siviel)

**NAGRAADSE DIPLOMA IN DIE INGENIEURSWESE**

**(NGDip (Ingwese))**

**POSTGRADUATE DIPLOMA IN ENGINEERING**

**(PGDip (Engineering))** MSIBI, Mzwandile Raphael

NKOSI, Nkosana

NQANDELA, Ntombi

ROUX, Evan Dutoit

SIXINTI, Luvuyo Witness

**NAGRAADSE DIPLOMA IN DIE INGENIEURSWESE**

**CUM LAUDE (NGDip (Ingwese) CUM LAUDE)**

**POSTGRADUATE DIPLOMA IN ENGINEERING**

**CUM LAUDE (PGDip (Engineering) CUM LAUDE)**

COETZEE, Jan Hendrik Jacobus

RAVAT, Natheera

SIMELANE DLAMINI, Nosipho Sbongile Lorraine

STEVENS, Ryan Gareth

VAN DEN AARDWEG, Tasha

**MAGISTER IN DIE INGENIEURSWESE (MIng)**

**MASTER OF ENGINEERING (MEng)**

ANDERSON, Lucas Steven (Meganiese Ingenieurswese)

BARNES, Reece Christian (Megatroniese Ingenieurswese) BEZUIDENHOUT, Schalk Ruan (Siviele Ingenieurswese)

BOCK, Raoul Dimitri (Meganiese Ingenieurswese)

BOTHA, Pieter Johannes Johnson (Elektriese Ingenieurswese)

BUDLER, Michael John Ian (Meganiese Ingenieurswese)

DE BEER, Brian (Elektriese Ingenieurswese)

DE WET, Pieter (Bedryfsingenieurswese)

FITSCHEN, Jürgen (Siviele Ingenieurswese)

HULL, Graham (Elektriese Ingenieurswese)

KEITUMETSE, Tumelo Dale (Siviele Ingenieurswese)

KLOOS, Michael (Siviele Ingenieurswese)

LAURIE, Robert Naylor (Meganiese Ingenieurswese)

LEWIS, Carmen (Elektriese Ingenieurswese)

LODENKEMPER, Alex (Siviele Ingenieurswese)

LOOTS, Rudolf Peens (Bedryfsingenieurswese)

LOUBSER, Andrew Thomas (Elektriese Ingenieurswese)

MAASS, Lourens Francois (Siviele Ingenieurswese)

MAREE, Wilmar (Siviele Ingenieurswese)

MINNAAR, Nicholas Johan (Megatroniese Ingenieurswese)

MINNE, Ulrich Ludkin (Chemiese ingenieurswese)

MUBATAPASANGO, Marlin Shingirai (Siviele Ingenieurswese)

MULAUDZI, Lusani (Chemiese ingenieurswese)

MÜLLER, Theodorus Ernst (Siviele Ingenieurswese)

MUZOFA, Tinotendaishe Daniel (Siviele Ingenieurswese)

NAUDE, Nicolaas Hendrik (Elektroniese Ingenieurswese)

NDLOVU, Witness (Chemiese ingenieurswese)

NIIT, Edgar Andries (Megatroniese Ingenieurswese)

OLUBAMIWA, Oreoluwa Ifeoluwa (Elektriese Ingenieurswese)

SAMUELS, Jason Avron (Elektriese Ingenieurswese)

SIWELLA, Mollin (Ekstraktiewe Metallurgiese Ingenieurswese)

SWANEPOEL, Johannes Christoffel (Chemiese ingenieurswese)

SWANEPOEL, Mardu Christof (Elektroniese Ingenieurswese)

SWART, Jean Jacques (Meganiese Ingenieurswese)

THERON, Janelle (Megatroniese Ingenieurswese)

VAN WYK, Marius Seegers (Elektroniese Ingenieurswese)

VAN ZYL, Madelein (Chemiese ingenieurswese)

VENTER, Emzy (Meganiese Ingenieurswese)

VISSER, Chaney Gene (Chemiese ingenieurswese)

WILKINSON, Michael Briers (Meganiese Ingenieurswese)

WILLIAMS, Anné (Chemiese Ingenieurswese)

ZWIERS, Andrew Steven (Siviele Ingenieurswese)

**MAGISTER IN DIE INGENIEURSWESE CUM LAUDE**

**(MIng CUM LAUDE)**

**MASTER OF ENGINEERING CUM LAUDE (MEng CUM**

**LAUDE)**

BESTBIER, André (Megatroniese Ingenieurswese) BEZUIDENHOUT, Leri (Ingenieursbestuur)

BOOYSEN, Zane (Siviele Ingenieurswese)

DLAMINI, Bagcinele Thobiso (Chemiese ingenieurswese)

DU PLOOY, Nicole Tina (Ingenieursbestuur)

DUNN, Trevor Paul Andrew (Siviele Ingenieurswese)

ENGELBRECHT, Johannes Jacobus Kotzé (Elektroniese

Ingenieurswese)

HUCHZERMEYER, Richard Lynn (Meganiese Ingenieurswese) KOEN, Jaco (Siviele Ingenieurswese)

KRETSCHMER, Marcus Malan (Siviele Ingenieurswese)

LAUBSCHER, Hendrik Frederik (Meganiese Ingenieurswese)

MUDGE, Frederik Jacobus (Siviele Ingenieurswese)

NEL, Jacobus Coenraad (Meganiese Ingenieurswese)

NEL, Jan Heimriks (Meganiese Ingenieurswese)

OVERETT, Jonathan Stephen (Elektriese Ingenieurswese)

PODGES, Tian Martin (Siviele Ingenieurswese)

PRETORIUS, Mathys Andries (Ingenieursbestuur)

PURCELL, Etienne (Meganiese Ingenieurswese)

RODRIGUEZ, Reynaldo Adrian (Megatroniese Ingenieurswese) RUPPERT, Malan Anton Xander (Elektroniese Ingenieurswese)

STRYDOM, Johannes Jacobus (Ekstraktiewe Metallurgiese

Ingenieurswese)

SWART, Liesel (Ingenieursbestuur)

TER HAAR, Gerrit Matthys (Meganiese Ingenieurswese)

VAN DER WALT, Johann Christiaan (Bedryfsingenieurswese)

VAN ZYL, Floris Johannes (Elektroniese Ingenieurswese)

VERMEULEN, Marius Jacobus (Ingenieursbestuur)

VOLSCHENK, André Daniël (Megatroniese Ingenieurswese)

WAIBEL, Mario (Ingenieursbestuur)

**MAGISTER IN DIE NATUURWETENSKAPPE IN**

**INGENIEURSWESE CUM LAUDE (MScIng CUM LAUDE)**

**MASTER OF SCIENCE IN ENGINEERING CUM LAUDE**

**(MScEng CUM LAUDE)**

BODE, Sebastian-James (Meganiese Ingenieurswese) **MEDALJE** (Ter kennisname)

**MEDAL** (For your information)

**IMBASA** (Ukwenzela ulwazi lwakho) *Ingenieurswese*

|  |  |  |
| --- | --- | --- |
| **KANSELIERSTOEKENNINGS / CHANCELLOR’S AWARDS / AMABHASO KATSHANSILA**  *Departement Elektriese en Elektroniese Ingenieurswese*  *Department of Electrical and Electronic Engineering*  *ISebe lezobuNjineli kwezoMbane ne-Elektroniki*  **PROF MJ KAMPER**   |  |  | | --- | --- | | dekades naam gemaak as deskundige van formaat op die ge- bied van elektriese masjiene en motore. Sy navorsing oor rekenaargesteunde ontwerp en die beheer van reluktansie-, permanente-magneet- en induksie- elektriese motore geniet aansienlike nasionale én internasionale erkenning, soos sy Bgradering van die Nasionale Navorsingstigting ook toon. Ook op volhoubaarheidsgebied lewer hy ’n belangrike bydrae deur sy kundigheid vir hernubare-energietoepassings in te span. Met ’n impak veel wyer as die Universiteit Stellenbosch, is Kamper ook ’n hoog aangeskrewe medewerker van die bedryf, waar- onder die proses- en nywerheidsoutomatisasiereus ABB in  Swede, mederedakteur van *IEEE Transactions on Industry Applications*, en gereelde artikelskrywer vir die voorste inter- nasionale vaktydskrifte. | himself as a high-level expert in the field of electrical machines and drives. His research on computer-aided design and the control of reluctance, permanent-magnet and induction electrical drives is highly regarded both nationally and inter- nationally, as is evident from his B-rating from the National Research Foundation. In the critical area of sustainability, he also utilises his expertise for renewable-energy applications. Kamper’s impact is, however, felt far beyond Stellenbosch University. He is a valued collaborator of industry, including the process and industrial automation giant ABB in Sweden, associate editor of *IEEE Transactions on Industry Applications*, and a regular contributor to eminent international journals. |   rof Maarten Kamper, voorsitter van die Departementrof Maarten Kamper, chair of the Department of Electric Elektriese en Elektroniese Ingenieurswese, het oorand Electronic Engineering, has over decades established  P  P  *Departement Ou en Nuwe Testament*  *Department of Old and New Testament*  *ISebe lezeThestamente eNdala neNtsha*  **PROF AEJ MOUTON** |

ECSA-medalje: Mnr JC van der Walt

P

rofessor Elna Mouton is ’n ware baanbreker: Sy is die eerste vrouedosent in die Fakulteit Teologie, en die eerste en, tot dusver, enigste vrouedekaan van ’n teologiefakulteit in Suid-Afrika. Sy onderskei haar ook as uitsonderlike dosent en ontvang deurgaans uitmuntende evaluerings van studente wat geraak word deur haar passie, haar vakkundigheid en haar vermoë om hulle te laat floreer. Boonop is Mouton se werk as mederedakteur en medewerker in 2016 beloon met die Andrew Murray-Desmond Tutu-prys vir *Living with Dignity*, ’n innoverende projek wat geslagsgelykheid en waardigheid in Afrika op bekwame wyse uit die oogpunt van meer as 20 teoloë van oor die hele vasteland ondersoek. Haar loopbaan getuig van ’n onwrikbare verbintenis tot onderrig en die be- vordering van gelykheid en waardigheid vir almal.

P

rofessor Elna Mouton is a true pioneer: She is the first female lecturer in the Faculty of Theology, and the first and, to date, only female dean of a theological faculty in the country. She has also distinguished herself as an exceptional teacher, consistently receiving outstanding evaluations from students who appreciate her passion, knowledgeability of her subject, and ability to let them flourish. Moreover, Mouton’s efforts as co-editor and collaborator were rewarded with the 2016 Andrew Murray-Desmond Tutu prize for *Living with Dignity*, an innovative project that skilfully explores gender equality and dignity in Africa from the perspective of more than 20 theologians from across the continent. Her career attests to an unwavering commitment to teaching and the advancement of equality and dignity for all.

# PROGRAM VIR DIE AGTSTE PLEGTIGHEID

*DIE FAKULTEIT EKONOMIESE EN BESTUURSWETENSKAPPE (GROEP B)\**

*EN DIE EREGRADE*

*’n Vriendelike beroep word op alle aanwesiges gedoen om selfone af te skakel en nie die saal tydens die plegtigheid te verlaat nie om sodoende te verseker dat die verrigtinge sonder ontwrigting verloop.*

1. Akademiese prosessie kom die saal binne. U word versoek om te staan terwyl hulle die saal binnekom en te bly staan vir die sing van die Nasionale Lied.
2. Sing van die Nasionale Lied (kyk binneagterblad). Neem asseblief daarna u sitplekke in.
3. Konstituering deur die Kanselier.
4. Verwelkoming deur die Kanselier en dr N Cezula.
5. Voorstelling van die eredoktorandi en toekenning van die eregrade deur die Kanselier.
6. Voorstelling van kandidate wat kwalifikasies ontvang deur die dekaan van die fakulteit en toekenning van kwalifikasies deur die Kanselier.
7. Voorstelling van die kandidaat vir die Kanselierstoekenning en oorhandiging van die toekenning deur die Kanselier.
8. Sluiting deur die Kanselier.
9. Akademiese prosessie verlaat die verhoog.

*Die aanwesiges word versoek om te bly staan totdat die akademiese prosessie uitgestap het.*

*\*Groep B: ND Akt Wet, ND Bemarking, ND MIV/Vigsbest, ND Vervoer en Log, BCom (Regsgeleerdheid ingesluit),*

*HonsBCom (Sonder Openbare en Ontwikkelingsbestuur), MPhil, MCom*

# PROGRAMME FOR THE EIGHTH CEREMONY

*THE FACULTY OF ECONOMIC AND MANAGEMENT SCIENCES (GROUP B)\**

*AND THE HONORARY DEGREES*

*To help ensure that the proceedings run their course without disruption, will all those present kindly keep their cell phones switched off, and refrain from leaving the hall, while the ceremony is in progress.*

1. Entrance of academic procession into the hall. You are requested to stand while it enters, and then to remain standing for the singing of the National Anthem.
2. Singing of the National Anthem (see inside back cover). Thereafter, please be seated.
3. Congregation formally constituted by the Chancellor.
4. Welcome by the Chancellor and Dr N Cezula.
5. Presentation of the candidates for honorary doctorates and conferment of the degrees by the Chancellor.
6. Presentation of candidates receiving qualifications by the dean of the faculty and conferment of qualifications by the Chancellor.
7. Introduction of candidate for the Chancellor’s Award and presentation of award by the Chancellor.
8. Closing by the Chancellor.
9. The academic procession leaves the stage.

*Those present are requested to remain standing until the entire academic procession has left the hall.*

\**Group B: PGDip Act Sc, PGDip Marketing, PGDip HIV/Aids Man, PGDip Transport and Log, BCom (including Law), BComHons (without Public and Dev Man), MPhil, MCom*

# ISICWANGCISO-NKQUBO SOMSITHO WESIBHOZO

*EYEZEENZULULWAZI KWEZOQOQOSHO NOLAWULO (IQELA B)\**

*NEZIDANGA ZEMBEKO*

*Ukuqinisekisa ukuba umsitho uqala ngaphandle kwesiphazamiso, bonke abakhoyo bayacelwa ukuba bacime iiselfowuni zabo, kwaye bangaphumi eholweni ngeli xesha umsitho uqhubekayo.*

1. Kungena umkhosi wemithika eholweni. Niyacelwa ukuba nime ngeenyawo xa ungena, nihlale nime njalo ukuze kuculwe uMhobe weSizwe.
2. Kuculwa uMhobe weSizwe (Jonga kumphakathi weqweqwe lokugqibela). Emva koko, ningahlala phantsi.
3. UMsitho uvulwa ngokusesikweni nguTshansila.
4. Ulwamkelo lwenziwa nguTshansila noGqr N Cezula.
5. Ukwaziswa kwabaza kuthweswa izidanga zembeko nokuthwesa kwabo izidanga zembeko nguTshansila.
6. Ukunikezelwa kwezingqini-mfundo kubafundi yintloko yefakhalthi (idin) echaphazelekayo nokuthweswakwezingqini-mfundo nguSekela-Tshansila.
7. Ukwaziswa kwabagqatswa beBhaso likaTshansila nokunikezwa kwamabhaso nguTshansila.
8. Ukuvalwa komsitho nguTshansila.
9. Umkhosi wemithika uyalishiya iqonga.

*Bonke abakhoyo bayacelwa ukuba beme ngeenyawo de umkhosi wemithika ube uphume wonke eholweni.*

*\*IQela B: PGDip Act Sc, PGDip Marketing, PGDip HIV/Aids Man, PGDip Transport and Log, BCom (including Law), BComHons (without Public and Dev Man), MPhil, MCom*

**KANDIDATE WAT KWALIFIKASIES ONTVANG**

*Die grade, diplomas en sertifikate van kandidate wat nie by die gradeplegtigheid teenwoordig kan wees nie, word in hulle afwesigheid toegeken.*

**CANDIDATES RECEIVING QUALIFICATIONS**

*The degrees, diplomas and certificates of candidates who are unable to attend the graduation ceremony in person are awarded in absentia.*

**ABAFUNDI ABAFUMANA IZINGQINI-MFUNDO**

*Izidanga, iidiploma kunye nezatifiketi zabafundi abangakwazanga ukubakho ubuqu kumsitho wothweso-zidanga bathweswa bengekho benjalo.*

**DOKTORSGRADE DOCTORATES EZOBUGQIRHA**

***Fakulteit Ekonomiese en Bestuurswetenskappe***

***Faculty of Economic and Management Sciences***

***IFakhalthi eyeeNzululwazi kwezoQoqosho noLawulo***

**PhD**

FERREIRA, Thomas Ignatius (Economics)

*The extension of existing data and methods to measure poverty and mobility in data-poor, agrarian sub-Saharan Africa*

This study investigates how existing data and methods could be ex- tended to overcome data deficiencies and enhance knowledge on welfare, to measure poverty and mobility in two sub-Saharan African countries, namely Malawi and Namibia. The dissertation’s research field has focused on the use of novel data and economic methods for understanding poverty and mobility in agrarian sub-Saharan Africa. The research presents scientific and societal justification for the research questions addressed, which concern the return to education in agri- culture in Malawi and new methodological approaches to the measure- ment of well-being and economic mobility in Namibia. *Supervisor:* Prof S van der Berg

GARBERS, Christoph Friedrich (Economics)

*Essays on the credit cycle*

This dissertation deploys general equilibrium models to improve our understanding of the interaction between the business cycle and the credit cycle. The first chapter investigates the influence that balance sheet linkages impart on the stability benefits associated with credit market heterogeneity. The second chapter compares the ability of flow-specific capital controls to reduce an economy’s reliance on foreign sources of credit. The final chapter compares the use of different macroprudential instruments and regulatory regimes to mitigate the negative impact of foreign interest rate shocks.

*Supervisor:* Prof G Liu

MHLANGA, Samuel Vika (Economics)

*Essays on industrial dynamics: evidence from Swaziland*

This dissertation investigates the industrial dynamics in Swaziland. The candidate has utilised a novel data set to analyse labour demand, productivity and investment decisions for the Swazi manufacturing sector. The study makes an undeniable contribution to what we know about the Swazi manufacturing sector and, by adding results for a small, open, developing economy, also adds to our understanding of developing country firm-level survey data, labour demand, labour productivity and the comparison of various estimators. *Supervisor*: Prof N Rankin

NGOY, Mwanabute (Statistics)

*A statistical analysis of student performance for the 2000–2013 period at the Copperbelt University in Zambia*

The candidate considers the vital role of the Copperbelt University (CBU) in Zambia in delivering necessary knowledge and skills for the development of Zambia and its neighbours. Geometric perspectives on student performance at the CBU over fourteen years reveal changes in cut-off values for university entrance to result in changes in the performance of the student body; that high scores achieved at school do not necessarily translate into high academic university achievement; that certain school subjects are better indicators of university perfor- mance; and that policies of making school results available as grades rather than actual percentages can have a marked influence on expected university achievements. *Supervisor:* Prof N le Roux

ORTHOFER, Anna Franziska (Economics)

*Saving and wealth in the context of extreme inequality*

This dissertation studies personal saving and wealth formation in the context of extreme inequality, using new data from South Africa. Firstly, it shows that balance sheet measures result in much higher savings rates than conventional flow measures, owing to long-term asset appreciation. This links to an increase of wealth-income ratios since the 1990s. Secondly, it gives robust evidence that wealth is much more concentrated than incomes, with top-decile wealth shares of 9095% compared to roughly 45% for labour incomes. The degree of wealth concentration is higher than in any other major economy, and higher than previously assumed for South Africa. *Supervisor:* Prof SA du Plessis

*Co-supervisors:* Dr MB Reid and Dr DP von Fintel

SAMUEL, Michael Olorunjuwon (Industrial Psychology)

*Human capital retention: developing and validating a structural model of selected antecedents of intention to quit*

This dissertation’s focus has been to explore the relationship between employees turnover intention and psychological constructs, i.e. trans- formational leadership, psychological empowerment, perceived organisational support, organisational justice, organisational trust, psychological contract violation and effective commitment. The study is grounded in the notion that human capital or talent retention strategies are crucial in ensuring the sustained success of organisations. As such, talent retention is viewed as a strategic human resource practice that is important when gaining a competitive advantage, or even just ensuring an organisation’s continued sustainability.

*Supervisor:* Prof A Engelbrecht

VAN DIJK, Justintycho (Transport Economics)

*Designing travel behaviour change interventions: a spatiotemporal perspective*

The candidate looked at using location aware technologies to collect data to assist in changing a person’s travel behaviour where applicable. There are two main streams changing a person’s travel behaviour which is either by the use of ‘force’, meaning through legislation such as the closure of streets into pedestrian zones, or through some form of taxation when using a vehicle in certain parts of a town. The second stream is a voluntary change in travel behaviour which was the *Blickpunkt* of the candidate’s work.

|  |
| --- |
| **ANDER KWALIFIKASIES OTHER QUALIFICATIONS EZINYE IZINGQINI-MFUNDO** |

*Supervisor:* Prof S Krygsman

***Fakulteit Ekonomiese en Bestuurswetenskappe***

***Faculty of Economic and Management Sciences***

***IFakhalthi yezeeNzululwazi kwezoQoqosho noLawulo***

**BACCALAUREUS IN DIE HANDELSWETENSKAPPE**

**(BCom)**

**BACHELOR OF COMMERCE (BCom)**

ABRAHAMS, Sharifa

ACKERMANN, Willem Bruwer

ADAMS, Tiffany Michelle

ADAMS, Zoë-Mae

ALBERTS, Ashleigh

ALBUTT, Georgia Marilyn

ALVES NUNES, Gisela

AMERICA, Lynn Juanique

ANDERSON, Catherine Esther-May

ANDERSON, Graham

ANDERSON, Matthew Joseph

ARANGIES, Jani Carin ASRAK, Gulperim

BAKER, Nicholas Thomas James

BANK, Dominic Alexander

BARNARD, Andrea Dominique BARNARD, Anja

BARTY, Amy Elizabeth

BASSON, Jeani

BASSON, Taryn Rebecca

BAUERMEISTER, Juané Mia BAUERMEISTER, Todd

BENEKE, Simone

BERGS, Brendan Dieter Ayre

BESTER, Joachim Paulus Breyten

BEZUIDENHOUT, Blanché Chenay

BEZUIDENHOUT, Robyn

BEZUIDENHOUT, Zahn-Mari BOOYSEN, Ilze-Marie BOSHOFF, Marné

BOTES, Janicé

BOTHA, Aimee Nicole BOTHA, Jason Dillon

BOTHA, Lezar Sarel

BOTHA, Martha Cecilia Maria

BOWIE, Alex Ian

BRITS, Carla Ann

BRITZ, Matthew Kenneth

BROGDEN, Lance Wilfred

BROOK, Sasha Lancaster

BROUGHTON, Amy Lee

BROWETT, Helen Louise

BRUSSOW, Chad Kyle

BRUWER, Ansophi

BRUWER, Etienne

BUCHMANN, Nicole Louise

BURDETT, Ashley Tara

BURGER, Anandie

BYREN, Anna Melissa

CALITZ, Lauren

CALITZ, Matthew Noel

CAMPBELL, Jamie

CAMPBELL, Stephanie

CARSTENS, Lucinda Ernestine

CARSTENS, Lune

CARTER, Nicole Lauren CARTER, Shannon Leigh CHAMBERS, Thomas

CHAMBERS, Vincent

CHELIUS, Emma Anne CILLIERS, Charl

CLARK, Jason

CLEASBY, Gemma Anne

CLOETE, Shireen Patricia COETZEE, Euné Yvonne COETZEE, Inus COETZEE, Lisa COETZEE, Nel

COOPER, Alexandra Faye

CORBETT, Seon Charmaine CORDER, Richard Scott COWAN, Richard

CRONJÉ, Robert CUPIDO, Amber

D'OFFAY, Tarryn Ann DAGNIN, Monique DAVIDS, Harriëtte

DAVISON, Tristan

DAWSON, Savannah Nicole

DE BEER, Klara

DE BRUIN, Nina

DE KOKER, Corine

DE SOUSA, Cherida Jade

DE VILLIERS, Amber-Lee

DE WET, Carla

DE WET, Mieke

DE WET, Roseanne

DE WIT, Carli

DEETLEFS, Willem-Karel

DEFTY, Gareth Craig

DEMMER, Kassandra Destiny

DIETMANN, Philippa Judith

DIXON, Richard-James

DODO, Sesethu

DOWNEY, Stuart Charles

DU PLESSIS, Dahne

DU PLESSIS, Deon

DU PLESSIS, Gerrit Nieuwoudt

DU PLESSIS, Jean-Prieur

DU PLESSIS, Line

DU PLESSIS, Michael-John

DU PLOOY, Abraham Johannes

DU PREEZ, Jan Lourens

DU PREEZ, Murray Leon

DU PREEZ, Ockert Michiel

DU TOIT, Christo

DU TOIT, Matthew James

DU TOIT, Stefan Marius

DU TOIT, Thea-Mari

EHLERS, Uys

ENGELBRECHT, Des-Rose Fiona

ENGELBRECHT, Johannes Cornelius

ERASMUS, Charles

ESTERHUIZEN, Rochelle

EYRE, Cara

FERGUSON, Callum Munro

FERREIRA, Marthinus Johannes

FIELDGATE, Mitchell Alan Leslie

FILMER, Thomas George

FINCHAM, Mia

FORBES, Chinita Lynn

FOURIE, Cara

FOURIE, Chad

FOURIE, John Edward

FOURIE, Nadia

FRASER, Brett Henry

FRASER, Emma Louise

FRIEDERICH, Benoit Nicolas Vincent

FUCHS, Jarred Wesley

GAMBUSHE, Makabongwe GANCI, Bianca

GENIS, Leoné

GERBER, Elzette

GERBER, Jeanne-Alex GERICKE, Armand

GERMISHUYS, Leoné

GERTSE, Christopher

GIDDINGS, Michael Ryan

GLASBY, Tarryn Christie

GOODWIN, Kayleigh Hannah GRADIDGE, Megan-Jane

GRAHAM, Angelique

GREEN, Carmen

GREYLING, Kimberly Colleen

GREYLING, Nastasja

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GROBBELAAR, Charles Peter

GROBBELAAR, Suzaan GROENEWALD, Leann

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GUNNING, Wade Michael

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HARRIS, Cameron Lee

HARRIS, Matthew Ian

HATJIGIANNAKIS, Alexia Suzanna

HATTINGH, Johannes Hendrik

HAYWARD, Matthew Russell

HENDRICKS, Ameer

HENDRICKSE, Abby Lee

HENDRIKZ, Gustine

HENKEL, Dayna Joy

HENN, Alex

HESSE, Devon John

HESTERMANN, Stefan Hugo

HEYDENRYCH, Luke Charles

HEYNS, Elné

HOLLAND, Dylan

HORNER, Emma Katherine

HUYSAMER, Anna Jacomina

ISMAIL, Hamzah

ITTERSHAGEN-STRAUSS, Erwin Kurt

JACOBS, Hendrik Johannes

JACOBS, Keagan Craig

JACOBS, Pieter Ernest

JAMES, Liam

JANSE VAN RENSBURG, Herman

JANSE VAN RENSBURG, Yolandi

JANSEN, Micaelynn

JOHNSON, Chantino Brunley

JONES, Stephanie Drew

JOOSTE, Meghan Chante

JOOSTE, Nerine

JORDAAN, Anja

JORDAAN, Jacques Roux

JOSEPH, Anesia

KAPS, Kesley Markus

KARNASOPOULOS, Georgina Rita

KEAL, Nakita KEMP, Rorke

KENT, Chelsea Nicole

KEPA, Morakane Alice Makananelo

KIERNAN, Natalie Anne

KLEINSMIDT, Lazelle Esmerelda KLOPPERS, Danie Viljoen

KNOTT, Graeme Alan

KOCH, Mia

KÖHLER, Timothy Peter

KOMANE, Lebohang Rochelle

KRIEL, Ben-Louis

KRIGE, Suzaan

KRUGER, Jean Henry KRUGER, Jeani

KRUGER, Megan Ray

KUALI, Lebenya

KUMPERS, Roman Harald Peter

LABUSCHAGNE, Mia

LAKAY, Conray Alwiezo

LANDMAN, Devon Alexander

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LAUBSCHER, Schalk Jacobus

LE ROUX, Amy Corinne

LE ROUX, Christiaan Hugo

LE ROUX, Monique

LE ROUX, Nicholas Rudwyn

LEERKAMP, Amy

LEONARD, Nicaroph Threzarn Lionel

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LIVINGSTONE, Mitchell David

LLOYD, Vincit-Lee

LOEBENBERG NOVITZKAS, Daniel

LORD, Jason William

LOURENS, Lodrick

LOUW, Shaun

LOUWRENS, Maria Johanna

LYNCH, Victoria May MADSEN, Kyle Grant

MALAN, Beatrix Janneke

MALHERBE, Nelmarie

MANGOLD, Jana

MAREE, Estian Daniel

MAREE, Marcel

MARTIN, James Richard

MARTIN, Kimberlin Micaela

MARTIN, Patrick O'Neill

MARTINS, Leon

MARX, Andrea

MARX, James William

MATTHEE, Sabrina Vinette

MATTHYSEN, Lara

McKENZIE, Elphas-Edon

McMILLAN, Demi Doreen

MEYER, Terri-Lee

MFANTA, Sibulelo Willaim

MILLER, Ashleigh Gary

MNDEBELE, Mthobisi Bandile

MOHAMED, Shabnam

MOLOTO, Mosa

MORKEL, Darren Christopher

MORTON, Taryn Agnes

MOSES, Melanie Thobeka

MOSS, Megan Mary

MOSTERT, Daniel Pieter Stefanus

MOTSOASELE, Mpho Desmond

MULLER, Aubrey Calvin

MULLER, Pieter-John

NAUDE, Zani

NCANYWA, Zisanda

NDLOVU, Beliya

NEETHLING, Chelna

NEL, Delaine

NEL, Joaneske

NELL, Dupre

NIEUWOUDT, Michael Junior

NJUGUMA, James Muchangi NUNDLALL, Suveer

NUNN, Aidan John

O'RIORDAN, Alexander Charles

OLDS, Timothy Alex

ONTONG, Sydney Vasilios

OVERTON, Kelly Iris

PASKIN, Natasha

PEDRO, Tiffany Athina

PEPLER, Leah Thalia

PETERS, Bianca Caren

PETERSEN, Mikhail Jean

PIENAAR, Carina

PIENAAR, Lucretia

PIETERSE, Madri

PILLAY, Krinika

POTGIETER, Brendan

POTGIETER, Carla

POTGIETER, Ciaran Kristi

POTGIETER, Deon

POZZO, Jemma

PRETORIUS, Christiaan Chaim

PYNE-JAMES, Justin Michael

RAINIER, Karlien

RANDALL, Cheron Carey

RAVEN, Cameron John Andrew

RAYNARD, Cindy

RECH, Ivano

REDELINGHUYS, Jacobus Nicolaas Louw

REID, Devon Hunter

REID, Matthew Bernard

RENDER, Samantha

RESSOUW, Lyle James-Norman

RHODA, Shuaib

RICHARD, Anca

RISHWORTH, Shelley Claire

ROBERTSON, Melani

RODWELL, David Timothy

ROOTENBERG, Natasha Sarah

RÖSCHER, Adriaan Heinrich

ROSE, Carly Jade

ROSSOUW, Christopher Guillaume

ROSSOUW, Colette Michelle

ROUX, Anna Maria

RUSH, Lucy Beth

RUST, Christian Frederick

RUST, Nicole

RYKE, Jan-Hendrik

SAMUELS, Nicole Inge

SANDILANDS, Delia

SANIPARSAD, Sheylyn

SARJOO, Byron

SCHELL, Dylan

SCHOEMAN, Antoinette

SCHOEMAN, Ashley Leon

SCHOEMAN, Michelle

SCHOLTZ, Kayla Taryn

SCHREUDER, Janke

SCHUTTE, Anja

SCHUTTE, Gerhardus Marthinus

SCRIBA, Nicole Lauren

SECCOMBE, James Sebastian Liberty

SEEGMULLER, Marc James Roger

SHIEL, Ross

SHRANK, Jordan

SIBENYA, Aphiwe Sonke

SIEBERHAGEN, Johan Georg

SIEBERHAGEN, Minette

SINGLETON, Hanlie Carien

SITA, Vladislav Tafara

SMEDLEY, Megan Rhoda

SMIT, Helené Angeline SMIT, Jacobus Adriaan

SMIT, Rése

SMITH, Alishia

SMITH, Cindeline Jesmine

SMITH, Claudia Paula

SMITH, David Human

SMITH, Gabriel Zacharias

SMITH, Megan

SMITH, Tyler

SMOOK, Taneil

SOLOMON, Tracey-Lee

SOUNDIADES, Caylen

SPIES, Alida Elizabeth

STANVLIET, Jana

STEENKAMP, Anroux

STEENKAMP, Jacobus Durr

STEENKAMP, Pieter Niel

STEVENS, Jason Lynch

STEWE, Henro

STEYN, Deleen-Marie

STEYNBERG, Daniel Petrus

STEYNBERG, Jan-Petrus

STOLS, Janine Leonie

STREICHER, Stephan Uys

STRYDOM, Lise-Mae

STRYDOM, Shané

STUYCK, Monique Marie

SULLWALD, Elsce

SWART, Chaela-Ann Lesley

SWARTZ, Jurné Sabiena

SWELINDAWO, Lunga

TALMAGE, Ross Graeme

TAVARES, Kameron de Angelo

TEESSEN, Gideon Johannes

THELEDI, Nicole Palesa Maxine

THIERSEN, Hendrik Johannes Albertus

TIMOTHEUS, Lyle Ethan

TJOMBE, Ferdinand Kahimise

TLADI, Molapo Malebo Pheladi

TRUTER, Kathleen

TSOUKAS, Nikos

TURLEY, Meagan Ruth

TYLER, Justin

UYS, Elandi

VAN CAPPELLEN, Jef Digna Karine Dirk VAN DEN BERG, Shaun Robin

VAN DEN HEEVER, Johannes Lodewicus

VAN DEN HEEVER, Suzanne

VAN DER BERG, Gavin Hendrik

VAN DER MERWE, Danica Shannon

VAN DER MERWE, Francois Jacobus

VAN DER MERWE, Niel

VAN DER MERWE, Ross Dale

VAN DER ROSS, Evangeline Deborah

VAN DER SPUY, Ashley

VAN DER VENTER, Nicholas Slade

VAN ECK, Petro

VAN GRAAN, Willem Jakobus Bruwer VAN NIEKERK, Keagan Pieter

VAN ROOYEN, Erika

VAN ROOYEN, Mia Jane

VAN ROOYEN, Stefan

VAN RYNEVELD, Chanelle

VAN STADEN, Arno

VAN STADEN, Darius Lukas Ignatius

VAN STADEN, Tianette-Marie

VAN TONDER, Ashley

VAN ZYL, Madre Greisch

VAN ZYL, Marilee

VAN ZYL, Paulus Johannes

VAN ZYL, Roné

VARTY, Neil Garth

VENTER, Chané

VENTER, Etienne

VENTER, Ilse

VENTER, Janco

VENTER, Marisca

VENTER, Stedon Daniel

VILJOEN, Andries Bernardus

VILJOEN, Elmarie

VISSER, Gerrit-Pieter Bleeker

VISSER, Rulani

VLOK, Charl Louwrens

VOLLGRAAFF, Ilse

VON PETERSDORFF, Clio Marianne

VON SOLMS, Jacqueline Jonelle

WAINSTEIN, Ariel

WALKER, Bradley Sean

WALKER, Devon

WALSH, Megan Lyn

WALTERS, Carli

WAYNIK, Jasmine Bianca

WESSELS, Annelie

WESSELS, Marthinus

WILCOX, Timothy Joel

WILKEN, Enrike

WILLIAMS, Ryan Michael

WILLIAMS, Saskia

WILSNAGH, Erin Lesley

WILSON, Justin Dillon

WOLFF, Trent Graham

WRIGHT, Michael James

YORK, Sean

ZAUCHENBERGER, Sasha Dee

ZIKALALA, Nonsindiso Noluthando

ZULCH, Jayson Christopher

**BACCALAUREUS IN DIE HANDELSWETENSKAPPE**

**CUM LAUDE (BCom CUM LAUDE)**

**BACHELOR OF COMMERCE CUM LAUDE**

**(BCom CUM LAUDE)**

COETZEE, Lizelle

DAVIES, Shannon Caitlin

DE WET, Jane

DE WET, Meghan Robyn

DU PLESSIS, Pierre Eduard

FILTER, Markus

GOODE, Stephanie Ann

HENMAN, Adam Roger

HUGO, Jacob Philippus Petrus JANSE VAN RENSBURG, Jani

JOLLY, Mikaela Monique

KALLIS, Linda

KORF, Erhica

LATEGAN, Louis Christiaan

Mac KENZIE, Maegan Gemma McKENZIE, Kristen Claire

MULLIGAN, Meghan Caroline

MURRAY, Jason Stewart

ROBERTSON, Amy Helen

SNEL, Elmar

STRAUSS, Bianca

SWART, Jacques Johannes VAN DYK, Kaylin Anne

VAN ZYL, Carla

VENTER, Sophia Johanna Lodewika

VISSER, Jasper Johannes Jacobus WEIR, Jenna

WRIGHT, Abigail Joy

**NAGRAADSE DIPLOMA IN VERVOER EN LOGISTIEK**

**(NGDip (Vervoer en Logistiek))**

**POSTGRADUATE DIPLOMA IN TRANSPORT AND**

**LOGISTICS (PGDip (Transport and Logistics))**

BOTHA, Hilde

BOWER, Jordan Robert

CHAPMAN, Sean Desmond

ISLAM, Sharina

LE ROUX, Stuart Francois

LOADES, Kelson Garth

SMIT, Wynand Louw

TOLKEN, J J

WESSELS, John Penn

**NAGRAADSE DIPLOMA IN BEMARKING**

**(NGDip (Bemark))**

**POSTGRADUATE DIPLOMA IN MARKETING**

**(PGDip (Marketing))**

BICHARD, Samantha Teresa

BOTES, Tayla

BOWERS, Francis Gerald

BROWN, Kirsty Ann

BRUWER, Maria Helena

CHAPMAN, Kirsten Jenna

DE LUCA, Olivia Francesca Angela

DU BOIS, Helene Marguerite

EHRET, Gareth

ESBACH, Nina

FABRE, Stephanie Grace

GREYLING, Caroline

HEYMANN, Yentl

JOHNSON, Peter

JONES, Hannah

LANGA, Nonsikelelo Amanda

LISSE, Tuhafeni Nicholas

LISSONI, Bianca Elizabeth

MAREE, John Martin

MKHARI, Masego Blessings

MSIBI, Phumla Nonkululeko Snenhlanhla

NANDOO, Johan Christopher

NIEMANDT, Denneys

ODENDAAL, Jessica Lee

PRINSLOO, Willem Baltazer Johannes

PRZYBYLSKI, Nadia

ROSSOUW, Annelet

SCHERMAN, Madri

SCHUURMAN-STEKHOVEN, Natasha Ann

SMIT, Neco

TALJAARD, Chante

TITUS, Mogammad Tawfeeq

TURNER, Maria Nuala

VAN JAARSVELD, Suandri ZULU, Sisipho Vuyile

**NAGRAADSE DIPLOMA IN BEMARKING CUM LAUDE**

**(NGDip (Bemark) CUM LAUDE)**

**POSTGRADUATE DIPLOMA IN MARKETING**

**CUM LAUDE (PGDip (Marketing) CUM LAUDE)**

COSGROVE, Kelly Megan

VERMEULEN, Jana

**NAGRAADSE DIPLOMA IN AKTUARIËLE WETENSKAP**

**(NGDip (AktWet))**

**POSTGRADUATE DIPLOMA IN ACTUARIAL SCIENCE**

**(PGDip (ActSc))** DE WET, Alna

TERBLANCHE, Carla-Mart

**HONNEURS-BACCALAUREUS IN DIE**

**HANDELSWETENSKAPPE (HonsBCom)**

**BACHELOR OF COMMERCE HONOURS (BComHons)**

ADDISON, Warwick Kem (Logistieke Bestuur)

ALLERS, Joshua (Aktuariële Wetenskap)

APPELO, Anne Greet (Aktuariële Wetenskap)

ARENZ, Lesley (Ondernemingsbestuur: Bemarkingsbestuur)

BAILEY, Peter Bruce (Finansiële Analise)

BARENDRECHT, Ian (Bestuursrekeningkunde)

BECKETT, Muhammad Jiyaad (Logistieke Bestuur)

BELL, Kiara (Bestuursrekeningkunde)

BEYERS, Tobias (Ondernemingsbestuur)

BIEHLER, Bianca Leigh (Bedryfsielkunde)

BLIGNAUT, Danielle (Operasionele Navorsing)

BOSCH, Michal Coenraad (Aktuariële Wetenskap)

BOSHOFF, Joanline (Ondernemingsbestuur)

BOSMAN, Samantha Nicole (Logistieke Bestuur)

BOSMAN, Stacey Janine (Ondernemingsbestuur: Bemarkingsbestuur)

BOTHA, Danielle (Logistieke Bestuur)

BOTHA, Nicholas Brian (Logistieke Bestuur)

BOWLER, Glen (Logistieke Bestuur)

BRAND, Anika (Aktuariële Wetenskap)

BREMERT, Andrea (Bedryfsielkunde)

BRITZ, Chelsea (Logistieke Bestuur)

BUDDLE, Caitlin Hamilton (Ondernemingsbestuur: Strategie en

Innovasie)

BURGER, Chante (Ondernemingsbestuur: Finansiële Bestuur)

BURGER, Imke (Ondernemingsbestuur: Strategie en Innovasie)

BURGER, Schalk (Aktuariële Wetenskap)

CHEMINAIS, Maré (Aktuariële Wetenskap)

CILLIERS, Reinet (Bestuursrekeningkunde)

CLAYTON, Adeline Gail (Bedryfsielkunde)

COETZEE, Amé (Logistieke Bestuur)

COLLINS, Sian Sheri (Ondernemingsbestuur: Finansiële Bestuur)

CONRADIE, Christoff Anton (Logistieke Bestuur)

COOPER, Nina Isabella (Operasionele Navorsing)

CORDIER, Corinne (Finansiëlerisikobestuur)

CORDY, Danielle (Kwantitatiewe Bestuur)

CORNELIUS, Lauren Christelle (Ondernemingsbestuur: Strategie en

Innovasie)

CRAYTHORNE, Kim Gerda (Finansiëlerisikobestuur)

CRONJE, Clive John (Logistieke Bestuur)

CROW, Matthew John (Statistiek)

DABNER, Reece Albert (Finansiële Analise)

DANIEL, Jesse Kyle (Logistieke Bestuur)

DARLING, Tom Gregg (Ondernemingsbestuur: Finansiële Bestuur) DE BOELPAEP, Kelley (Ondernemingsbestuur: Bemarkingsbestuur)

DE LANGE, Martin Lotter (Aktuariële Wetenskap)

DE MARCO, Bianca Helen (Bestuursrekeningkunde) DE SWARDT, Renica (Bestuursrekeningkunde)

DE WAAL, Anene (Bestuursrekeningkunde)

DE WET, Kirsten Hailey (Finansiële Analise)

DE WIT, Ruanne Franscois (Aktuariële Wetenskap)

DEHOSSE, Solene Jaqueline (Ondernemingsbestuur: Finansiële

Bestuur)

DENNY, Michael Maynard (Bedryfsielkunde)

DHARSEY, Dean (Aktuariële Wetenskap)

DINGAAN, Vuyisa (Kwantitatiewe Bestuur)

DIPPENAAR, Michael-John (Ondernemingsbestuur)

DU PLESSIS, Daniel (Aktuariële Wetenskap)

DUKE, Nicholas (Ekonomie)

DUMINY, Pieter Willem van Hesland (Statistiek)

EBUZOEME, Scholastica Chinonso (Bestuursrekeningkunde)

EDWARDS, Petrus Johannes (Aktuariële Wetenskap)

EKSTEEN, Magrieta (Bestuursrekeningkunde)

FEDELI, Savia (Logistieke Bestuur)

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FORTUIN, Shannen Nicola (Bestuursrekeningkunde)

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FULLER, Nicholas Craig (Finansiëlerisikobestuur)

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GAIGHER, Nell (Bedryfsielkunde)

GEACH, Georgina Mary (Ekonomie) GERBER, Carmen (Bestuursrekeningkunde)

GILBERTSON, Clayton James (Ondernemingsbestuur:

Bemarkingsbestuur)

GLEESON, Julia Leigh (Logistieke Bestuur)

GOLDBERG, Ryan (Vervoerekonomie)

GORDON, Emma-Jane (Finansiële Analise)

GRAVEN, Lauren Holm (Ondernemingsbestuur: Strategie en

Innovasie)

GREGORY, Michael Eugene (Landbou-ekonomie)

GROENEWALD, Juanica Anthea (Bedryfsielkunde)

GROVE, Tamsin Nichole (Ekonomie)

HANEKOM, Dedre (Aktuariële Wetenskap)

HANEKOM, Paige Fern (Ondernemingsbestuur: Finansiële Bestuur)

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HARRISON, Kerri-Lee Jean (Logistieke Bestuur)

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JANSE VAN RENSBURG, Brendan (Ondernemingsbestuur: Strategie en Innovasie)

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KEULDER, Dewald (Finansiële Analise)

KLEINGBIEL, Kristi (Bedryfsielkunde)

KLOPPER, Edi-Marie (Bestuursrekeningkunde) KLOPPER, Francois (Bedryfsielkunde)

KOCK, Leane (Bestuursrekeningkunde)

KOCKOTT, Luke (Aktuariële Wetenskap)

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KRIEL, Kaylie (Bedryfsielkunde)

KRUGER, Devin (Bestuursrekeningkunde)

KUBHEKA, Mbali Desree (Ondernemingsbestuur: Finansiële Bestuur)

KWINDA, Muofhe Ramakhetha (Finansiële Analise)

LA GORCE, Bianca Natasha (Wiskundige Statistiek)

LA GRANGE, Dewald (Ondernemingsbestuur: Finansiële Bestuur)

LAMBRECHTS, Morné (Statistiek)

LAUBSCHER, Nina (Ondernemingsbestuur: Strategie en Innovasie)

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LE ROUX, Ronel (Aktuariële Wetenskap)

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LINDE, Jan de Wet (Aktuariële Wetenskap)

LINTERS, Kyle Ethan (Bestuursrekeningkunde)

LOMBARD, Willem Ernst (Ondernemingsbestuur: Strategie en

Innovasie)

LOUW, Danel Daphne (Landbou-ekonomie)

LOUW, Gerrit Ernest (Bedryfsielkunde)

LOWDEN-STOOLE, Joshua Andrew (Ekonomie)

LUYCKX, Christopher (Finansiële Analise)

MANU, Benson Kwame (Vervoerekonomie)

MARAIS, Daniela (Bedryfsielkunde)

MARAIS, Slade (Ondernemingsbestuur: Finansiële Bestuur)

MARAIS, Suzaan (Bestuursrekeningkunde)

MARDON, Jarrod Andrew (Logistieke Bestuur)

MATHEBULA, Xiluva Briance (Aktuariële Wetenskap)

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MIDDLETON, Kyle-Jones (Bestuursrekeningkunde)

MOAGI, Tebogo Mosa (Logistieke Bestuur)

MOLL, Lucy Frances (Ondernemingsbestuur: Finansiële Bestuur)

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MONTEVERDI, Simon Roberto (Finansiële Analise)

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MOSTERT, Rayno Willem (Aktuariële Wetenskap)

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MTIZI, Carole Rairai (Vervoerekonomie)

MULLER, Dewald (Aktuariële Wetenskap)

MURRAY, Grant Michael (Logistieke Bestuur)

MURRAY, William Louis George (Ondernemingsbestuur: Strategie en

Innovasie)

MYERS, Ethan (Ondernemingsbestuur: Bemarkingsbestuur)

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NEL, Marisna (Bestuursrekeningkunde) NEL, Ockert Philippus Hermanus (Bestuursrekeningkunde) O'KEEFFE, Georgina Alexis (Ondernemingsbestuur:

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PAGE, Jacobus Johannes (Landbou-ekonomie)

PANAINO, Lynden Mitchell (Ondernemingsbestuur: Strategie en

Innovasie)

PAULSEN, Pierre-Juan (Statistiek)

PENDERIS, Michelle Marie (Bedryfsielkunde)

PIKE, Ryan Michael (Ondernemingsbestuur: Strategie en Innovasie)

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RICHTER, Claudia Anne (Bestuursrekeningkunde)

RICHTER, Kyle John (Ondernemingsbestuur: Bemarkingsbestuur)

ROUILLARD, Mignonette (Operasionele Navorsing)

RUNDLE, Sally (Ondernemingsbestuur: Finansiële Bestuur)

SACK, Hannah Fae (Ekonomie)

SADOWSKI, Romuald Stanislaw (Aktuariële Wetenskap) SCHABORT, Beatrice (Bestuursrekeningkunde)

SCHOLTZ, Enid Marie (Ondernemingsbestuur: Bemarkingsbestuur)

SCHOOLING, Nicholas John (Logistieke Bestuur) SCRIBANTE, Lize (Bestuursrekeningkunde)

SHATIWA, Tangeni Sindano (Ekonomie)

SMIT, Elzaan Riëtte (Ekonomie)

SMITH, Andrew Jonathan (Bestuursrekeningkunde) SMITH, Cameron Chante (Bestuursrekeningkunde)

SPIES, George (Finansiële Analise)

STANDER, Adriaan Hendrikus (Bestuursrekeningkunde)

STANDER, Alexander (Bedryfsielkunde)

STEENKAMP, Peter William (Finansiële Analise)

STEPHENS, Daniel Richard (Aktuariële Wetenskap)

STOFFBERG, Dominique (Bestuursrekeningkunde)

STRAUSS, Jacobus Coenraad (Bestuursrekeningkunde) STREICHER, Simoné (Aktuariële Wetenskap)

STUBBS, Joshua Luke Reid (Vervoerekonomie)

SWANEPOEL, Kirsten Rae (Ondernemingsbestuur:

Bemarkingsbestuur)

SWART, Inge (Aktuariële Wetenskap)

SYMES, Matthew Dean (Aktuariële Wetenskap)

TANCRED, Kayla (Bedryfsielkunde)

TAYLOR, Mark Partick (Bestuursrekeningkunde)

TEICHMANN, William Steven (Logistieke Bestuur)

THETARD, Heinrich Mathias (Statistiek)

TÖTEMEYER, Simone (Bestuursrekeningkunde)

TREGIDGA, Ashleigh Meagan (Logistieke Bestuur)

TRUTER, Carla (Ondernemingsbestuur)

VALENTINE, Micheal Keith (Bedryfsielkunde)

VAN BOSCH, Altus Murray (Aktuariële Wetenskap)

VAN DER MERWE, Benita (Bestuursrekeningkunde)

VAN DER MERWE, Lourens Grove (Bestuursrekeningkunde)

VAN DER MESCHT, Rohan (Aktuariële Wetenskap)

VAN DRUTEN, Dylan Andre (Finansiële Analise)

VAN HEERDEN, Kyle (Operasionele Navorsing)

VAN HUYSSTEEN, Ciska (Bestuursrekeningkunde)

VAN STADEN, Marianne (Finansiëlerisikobestuur)

VAN WYK, Christiaan (Finansiële Analise)

VAN WYK, Etienne (Bestuursrekeningkunde)

VAN ZYL, Stephanie (Aktuariële Wetenskap)

VILJOEN, Albertus Antonie (Ondernemingsbestuur: Strategie en

Innovasie)

VILJOEN, Gabriel Nicolaas (Vervoerekonomie)

VILJOEN, Philippus Jacobus (Landbou-ekonomie)

VISSER, Benjamin le Roux (Operasionele Navorsing)

VOGES, Kaylynne (Statistiek)

WALES, James Peter Joseph (Ekonomie)

WALKER, Hayley June (Finansiële Analise)

WESSELS, Albertus (Bestuursrekeningkunde)

WIID, Ane (Aktuariële Wetenskap)

WILLIAMS, Justin David (Logistieke Bestuur)

WILLOWS, Georgina Kate (Ondernemingsbestuur:

Bemarkingsbestuur)

WOKER, Lisa Nicole (Ondernemingsbestuur: Finansiële Bestuur)

**HONNEURS-BACCALAUREUS IN DIE**

**HANDELSWETENSKAPPE CUM LAUDE**

**(HonsBCom CUM LAUDE)**

**BACHELOR OF COMMERCE HONOURS CUM LAUDE**

**(BComHons CUM LAUDE)**

ADLARD, Kirsten Alice (Logistieke Bestuur)

AKHERWARAY, Azraa (Bedryfsielkunde)

BOUCHER, Tayla Anne (Bedryfsielkunde)

CAMPBELL, Fiona Heather (Kwantitatiewe Bestuur)

CARTWRIGHT, Talya Elizabeth (Statistiek)

COETZEE, Elani (Bedryfsielkunde)

DELPORT, Casey (Landbou-ekonomie)

DRAAIJER, Gerben (Aktuariële Wetenskap)

DREYER, Caroli Elsje (Kwantitatiewe Bestuur)

DU PLESSIS, Chèrilize (Ondernemingsbestuur: Bemarkingsbestuur)

DU PREEZ, Izaan (Bedryfsielkunde)

DU TOIT, Jean Liam (Wiskundige Statistiek)

DU TOIT, Phyline (Bedryfsielkunde)

ESTERHUIZEN, Nichale Carmen (Bedryfsielkunde)

FERREIRA, Tinike Jean (Statistiek)

FOURIE, Nicola (Ondernemingsbestuur: Strategie en Innovasie)

GROBBELAAR, Zahn (Bedryfsielkunde)

HARVEY, Matthew Kenneth (Logistieke Bestuur)

HSU, Yin-Yin Katty (Ekonomie)

HUMAN, Judith (Ondernemingsbestuur: Finansiële Bestuur)

IVANKOVIC, Kelvin Wade (Ondernemingsbestuur: Strategie en

Innovasie)

JESKE, Gesa (Finansiëlerisikobestuur)

KRIEK, Amor Gita (Bedryfsielkunde)

KROUSE, Nicole Sarah (Ondernemingsbestuur: Bemarkingsbestuur)

LOTTER, Simon (Logistieke Bestuur)

LOUW, Ian (Wiskundige Statistiek)

McCANN, Connor Liam (Finansiële Analise)

MECHANICOS, Robyn Maxine (Ondernemingsbestuur:

Bemarkingsbestuur)

MELONAS, Michail Christiaan (Wiskundige Statistiek)

MINNIE, Roan Johan (Ekonomie)

NAIDOO, Tristan Myles (Wiskundige Statistiek)

PACKMAN, Shane Micheal (Ondernemingsbestuur: Finansiële

Bestuur)

PERKINS, Damian Terrance (Bedryfsielkunde)

QUIN, Tessa (Bedryfsielkunde)

REIN, Tyler Roscoe (Ondernemingsbestuur: Finansiële Bestuur)

SEAGER, Natalie Claire (Kwantitatiewe Bestuur)

TAYLOR, Lauren Ann (Logistieke Bestuur)

TROOST, Carina (Landbou-ekonomie)

VAN ZYL, Jo Bridget (Landbou-ekonomie) WAGENAAR, Brittany Michaela (Statistiek)

YAFFES, Christina Crysalis (Ondernemingsbestuur:

Bemarkingsbestuur)

**HONNEURS-BACCALAUREUS IN DIE**

**HANDELSWETENSKAPPE IN**

**INFORMASIESTELSELBESTUUR**

**(HonsBCom (Informasiestelselbestuur))**

**BACHELOR OF COMMERCE HONOURS IN**

**INFORMATION SYSTEM MANAGEMENT**

**(BComHons (Information System Management))**

BIERMAN, Jason

CHIRWA, Nkhondo Yesaya

DAY, Kaira Ann

DE OLIVEIRA, Daniel Xavier

DU PLESSIS, Wikus Strydom

DU TOIT, Tiaan

EBRAHIM, Curwin Marc

HOLLOWAY, Lara MULLER, Melissa

PETERSEN, Roscoe

SCHLEMMER, Kirsty Ann

**HONNEURS-BACCALAUREUS IN DIE HANDELS-**

**WETENSKAPPE IN INFORMASIES TELSELBESTUUR**

**CUM LAUDE (HonsBCom (Informasiestelselbestuur)**

**CUM LAUDE)**

**BACHELOR OF COMMERCE HONOURS IN INFORM A TION SYSTEM MANAGEMENT CUM LAUDE (BComHons**

**(Information System Management) CUM LAUDE)**

SENIOR, John York

WARMERDAM, Samantha Leigh

**MAGISTER IN DIE HANDELSWETENSKAPPE (MCom)**

**MASTER OF COMMERCE (MCom)**

ANDERSON, Ryan Richard (Bedryfsielkunde)

BEKKER, Cornelius Jansen (Ekonomie)

DUNLOP, Brice Merlin (Ekonomie)

HAAK, Xanri (Ondernemingsbestuur)

HOFMEYR, Heleen (Ekonomie)

KHAMALI, Realeboha Ntai Emile (Ekonomie)

KROON, Carla (Ekonomie)

MOGOROSI, Goitsemang Keorapetse (Ekonomie)

MOUTON, Sonica (Bedryfsielkunde)

NKOSI, Wawa Wandile (Ekonomie)

PIEK, Jaco (Vervoerekonomie)

VAN HUYSSTEEN, Serina (Bedryfsielkunde)

ZULCH, Hendriette (Belasting)

**MAGISTER IN DIE HANDELSWETENSKAPPE**

**CUM LAUDE (MCom CUM LAUDE)**

**MASTER OF COMMERCE CUM LAUDE**

**(MCom CUM LAUDE)**

ABEI, Lauretta Abongachi (Landbou-ekonomie)

BOTHMA, Theunis Christoffel (Ekonomie)

DU PLESSIS, Mienke (Bedryfsielkunde)

FRASER, Cornelia Susanna (Bedryfsielkunde)

LE ROUX, Gavin James (Operasionele Navorsing)

LEE, Angela (Bedryfsielkunde)

MOLDE, Maren Susanne (Ekonomie)

POTGIETER, Daniella Nicola (Logistieke Bestuur)

RODSETH, Tessa Louise (Statistiek)

SMUTS, Katrien (Ekonomie)

STEPHENS, David Fourie (Ekonomie)

STEYN, Matthys Lucas (Wiskundige Statistiek) **MAGISTER IN DIE WYSBEGEERTE (MPhil)**

U

**MASTER OF PHILOSOPHY (MPhil)**

HAMUTOKO, Frederika Nanghali Tweufilwa (MIV/Vigsbestuur)

IBEKWE, Chioma Cynthia (MIV/Vigsbestuur)

MAKINA, Simbarashe Einstein (MIV/Vigsbestuur)

MAKUBALO-RAYI, Roro Nwabisa (MIV/Vigsbestuur)

MOKAPANE, Zoliswa Phosia (MIV/Vigsbestuur)

NTINJANA-MCHUNU, Bongiwe Patricia (MIV/Vigsbestuur)

SEEMA, Mmabonno Tabea (MIV/Vigsbestuur)

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| **KANSELIERSTOEKENNING / CHANCELLOR’S AWARD / IBHASO LIKATSHANSILA**  *Departement Ondernemingsbestuur*  *Department of Business Management*  *ISebe lezoLawulo kwezoShishino*  **PROF HC BOSHOFF**  itgelese professor Christo Boshoff, voorsitter van dien his research, distinguished professor Christo Boshoff, chair Departement Ondernemingsbestuur en visedekaan vanof the Department of Business Management and vice-dean of |

SEIFERT, Knut (MIV/Vigsbestuur)

I

navorsing in Ekonomiese en Bestuurswetenskappe, konsen- treer in sy navorsing op diensgehalte as ’n mededingende strategie, die bestuur van diensherstel, en skaalontwikkeling. Straks sy beduidendste bydrae is egter dié op die terrein van dienstebemarking, in die besonder die rol van werknemers en kliënte se onbewustelike en emosionele reaksies in diens- leweringsituasies. Vir dié doel het Boshoff onlangs sy navorsing uitgebrei om nou ook mense se neurofisiologiese reaksies op gebrekkige dienslewering te meet. Sy werk is uitnemend en uiters relevant in ’n toenemend verbruikerg erigte samelewing, en het hom ’n B-gradering van die Nasionale Navorsingstigting besorg. Hierdie 18 jaar lange redakt eur van *Management Dynamics* het al 127 vaktyds krifartikels gepubliseer, tot ses handboeke bygedra en 96 akad emiese referate by plaaslike en internasionale konf erensies gelewer.

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| **EREGRADE / HONORARY DEGREES / IZIDANGA ZEMBEKO** |

research in Economic and Management Sciences, focuses on service quality as a competitive strategy, the management of service recovery, and scale development. Perhaps his most significant contribution, however, has been in the field of ser- vices marketing, particularly the role of employees and customers’ subconscious and emotional responses in service delivery situations. To this end, Boshoff has recently expanded his research, and now also measures subjects’ neuro- physiological responses to services failure. Both excellent and extremely relevant in an increasingly consumer-driven society, his work has earned him a B-rating from the National Research Foundation. The editor of *Management Dynamics* for the past 18 years, he has published 127 journal articles, cont ributed to six textbooks and read 96 academic papers at local and international conferences.

**DIE GRAAD DOKTOR IN DIE WYSBEGEERTE (DPhil), *HONORIS CAUSA* aan Omar Badsha**

*as uitnemende dokumentêre fotograaf, aktivis en historikus wat deur die vaslegging van die verhale van gewone mense se buitengewone bydraes tot ’n demokratiese Suid-Afrika, ons land se verlede nog vir vele toekomstige geslagte sal ontsluit en ons jongmense sal toerus om betrokke en kritiese burgers te wees.*

Deur sy kameralens is dokumentêre fotograaf Omar Badsha reeds dekades lank aan die voorpunt van die onderrig, leer en popularisasie van geskiedenis.

Ná die Sharpeville-slagting in 1960 word hy politieke aktivis en spoedig ook ’n kernvakbondman. Só kom dit dat dié gebore Durbaniet die kamera opneem om werkverwante beserings by chemiese aanlegte te dokumenteer en die geskiedenis van die vakbondwese uit te beeld.

Sedertdien gee Badsha, ’n selfopgeleide kunstenaar, die toon aan in plaaslike sosiale dokumentêre fotografie. Dít doen hy as stigterslid van Afrapix, hoof van die fotografie-eenheid van die Tweede Carnegiekommissie oor Armoede en Ontwikkeling, en stigter van die Univer- siteit van Kaapstad se Sentrum vir Dokumentêre Fotografie.

Tog is dit met sy bekroonde onpartydige volksgeskiedenisprojek *South African History Online* (SAHO) wat Badsha hom vir ewig in ons bewussyn inprent. Hierdie uitgebreide aanlyn ensiklopedie van SuidAfrikaanse en Afrikageskiedenis – die grootste in sy soort op die vasteland – gaan krities om met die verlede. Met Badsha aan die stuur, blink SAHO veral uit in jeugbemagtiging. Dít omvat die gratis aflaaibare publikasie van die ganse skoolgeskiedenisleerplan, onderwyserhulp- brono ntwikkeling, die Hoofman Albert Luthuli-projek vir jong historici, en ’n studente-internskapprogram.

Met onder meer die fotoversamelings *A Letter to Farzanah* (1979), *Imijondolo* (1984) en *South Africa: The Cordoned Heart* (1986) op sy publikasiekerfstok stal Badsha steeds plaaslik en internasionaal uit. Sy lewenslange bydrae tot die visuele kunste is dan ook onlangs deur die Departement van Kuns en Kultuur se *Living Legends*-projek vereer.

Omar Badsha se werk herinner ons voortdurend aan hoe ver ons nasie en vasteland gevorder het, en maak hom ’n kernrolspeler in ons reis na die toekoms wat ons begeer – ’n lewenstaak wat erkenning verdien.

**THE DEGREE DOCTOR OF PHILOSOPHY (DPhil), *HONORIS CAUSA*, to Omar Badsha**

*as outstanding documentary photographer, activist and historian who, having chronicled the stories of ordinary people’s extraordinary contributions to a democratic South African society, will continue to unlock our country’s past for many generations to come, equipping our youth to be engaged and critical citizens.*

Through his camera lens, documentary photographer Omar Badsha has for decades been advancing the teaching, learning and popula- risation of history.

Turned political activist after the 1960 Sharpeville massacre, Badsha became a key trade unionist. This led the born Durbanite to take up photography to document work-related injuries at chemical plants and illustrate the history of trade unionism.

The self-taught artist has since been shaping social documentary photography in South Africa. This he achieved as founder member of Afrapix, head of the photography unit of the Second Carnegie Commission on Poverty and Development, and founder of the Univer- sity of Cape Town’s Centre of Documentary Photography.

Yet it is through his award-winning, non-partisan people’s history pro- ject South African History Online (SAHO) that Badsha has made a lasting imprint on our minds. The largest of its kind on the continent, this vast online encyclopaedia of South African and African history critically engages with the past. With Badsha at the helm, SAHO part i cul arly excels at youth empowerment. This includes the free down loadable publication of the entire school history curriculum, teacher resource development, the Chief Albert Luthuli Young Hist orians Project, and a student internship programme.

Having inter alia produced the photographic collections *A Letter to Farzanah* (1979), *Imijondolo* (1984) and *South Africa: The Cordoned Heart* (1986), Badsha continues to exhibit locally and abroad. His work has been acknowledged with a lifetime achievement award for visual arts by the Department of Arts and Culture’s Living Legends Project.

Omar Badsha’s work continues to remind us of how far our nation and continent have come, which makes him integral in our journey to the future we desire – a life’s work worth honouring.

**DIE GRAAD DOKTOR IN DIE NATUURWETENSKAPPE**

**(DSc), *HONORIS CAUSA*, aan Glenda Elizabeth Gray**

*vir haar knap leiding aan die stuur van die Suid-Afrikaanse Mediese Navorsingsraad, haar baanbrekernavorsing om diegene met chroniese siektes ’n beter lewe te gee, haar revolusionêre werk om die MIV/vigspandemie te stuit, en haar sosiale impak deur die wetenskap vir die same lewing te laat werk.*

*Time Magazine* beskou professor Glenda Elizabeth Gray as een van die 100 invloedrykste mense ter wêreld, en heel tereg. Hierdie baanbrekermediese navorser maak naam met haar onverpoosde werk om diegene met chroniese siektes, veral MIV/vigs, ’n beter lewe te gee.

As uitvoerende hoof en voorsitter van die Suid-Afrikaanse Mediese Navorsingsraad (SAMNR) wys sy haar staal as bestuurder van formaat deur die herverspreiding van hulpbronne om die volgende generasie swart mediese wetenskaplikes die beste kans op sukses te bied. In die voorsitterstoel van die Internasionale Alliansie vir Chroniese Siektes lei sy samewerkende navorsingsprojekte wêreldwyd.

Veral haar strewe na ’n vigsvrye generasie vervul miljoene met hoop. As medestigter van Wits se Perinatale MIV-navorsingseenheid by die Chris Hani Baragwanath-hospitaal het Gray se deurbrake om MIVoordrag van moeder na kind te voorkom talle lewens gered. Sedert die middel-2000’s wy hierdie A-gegradeerde navorser van die Nasionale Navorsingstigting haar tyd aan die soeke na ’n MIV-entstof. Synde ’n wêreldleier op die gebied, help ontwikkel sy moontlike entstowwe as medehoofnavorser van die internasionale MIV-entstofproefnetwerk HVTN. Grootliks danksy haar innoverende bydraes kondig HVTN in November 2016 ’n ambisieuse program aan vir die Suid-Afrikaanse evaluering van ’n MIV-entstofregime onder leiding van Gray en haar span. Indien die program slaag, kan dit die eerste gelisensieerde MIVentstof ter wêreld oplewer.

Plaaslike eerbewyse vir haar MIV-werk sluit in ’n Nelson Mandela Gesondh eid-en-Menseregteprys en die gesogte Orde van Mapungubwe. Internasionaal ontvang sy ’n *Heroes in Medicine*-prys van IAPAC, die wêreldvereniging van medici op vigsgebied.

Die Universiteit Stellenbosch (US) salueer professor Glenda Gray. As vrou blink sy uit op ’n oorwegend manlike gebied. As Afrikaan bestry sy een van die grootste pandemies op ons vasteland. En as weten- skaplike vergestalt sy die sosiale impak waarna die US streef.

**THE DEGREE DOCTOR OF SCIENCE (DSc), *HONORIS CAUSA*,**

**to Glenda Elizabeth Gray**

*for her accomplished guidance leading the South African Medical Research Council, her pioneering research to improve the lives of those with chronic diseases, her revolutionary work in search of a solution to the HIV/Aids scourge, and her social impact, harnessing science to serve society.*

Rightly named one of the world’s 100 most influential people by *Time Magazine*, Professor Glenda Elizabeth Gray has established herself as a pioneering medical researcher dedicated to bettering the lives of those living with chronic diseases, most notably HIV/Aids.

As chief executive and president of the South African Medical Research Council (SAMRC), she has shown her mettle as a governor of note, redirecting resources for the next generation of black medical scien- tists to flourish. Chairing the Global Alliance for Chronic Diseases, she has led research collaborations worldwide.

Particularly her pursuit of an Aids-free generation has given hope to millions. As co-founder of the Wits Perinatal HIV Research Unit at Chris Hani Baragwanath Hospital, Gray’s advances in preventing the mother-to-child transmission of HIV have saved numerous lives. Since the mid-2000s, this A-rated researcher of the National Research Foundation has devoted her time to the search for an HIV vaccine. She provides global leadership in exploring candidate vaccines as coprincipal investigator of the international HIV Vaccine Trials Network (HVTN). Largely due to her innovative contributions, HVTN in Novemb er 2016 announced an ambitious programme for the eva luation of a vaccine regimen in South Africa led by Gray and her team.

If successful, this could see the world’s first licensed HIV vaccine.

Local accolades for her HIV work include a Nelson Mandela Health and Human Rights Award and the prestigious Order of Mapungubwe. Further afield, she was honoured with the Heroes in Medicine award from the International Association of Physicians in AIDS Care (IAPAC).

Stellenbosch University (SU) applauds Professor Glenda Gray. As a woman, she excels in a male-dominated field. As an African, she is tackling one of the biggest pandemics facing the continent. And as a scientist, she epitomises the social impact that SU seeks to achieve.

**DIE GRAAD DOKTOR IN DIE INGENIEURSWESE**

**(DIng), *HONORIS CAUSA***

**aan Markus A Reuter**

*vir sy uitmuntende bydrae tot die wetenskap, tegnologie en bedryf van metaalproduksie, herwinning en hulpbrondoeltreffendheid, en sy volgehoue bemagtiging van jong ingenieurs om die volgende generasie denkleiers te word en die taak oor te neem om ’n volhoubare toekoms vir almal te verseker.*

Deur behendige integrasie van onderrig, navorsing en industriële prak- tyk het professor Markus Reuter die samelewing ’n meer volhoub are koers help inslaan, en bemagtig hy rolspelers, van lesingsale tot raad- sale, en regerings om ingeligte besluite te neem om hulpbronne meer volhoubaar te benut.

Dié gebore Stellenbosser besit die grade BIng (Chemiese Ingenieurs- wese), MIng, PhD en DIng van die Universiteit Stellenbosch (US). Sy uitnemende navorsing en onderrig het hom ook die graad Doktoraat *honoris causa* van die Universiteit van Liège, België, besorg.

Sy loopbaan getuig van sonderlinge vernuf in die akademie én die be- dryf. As akademikus was hy verbonde aan vele vooraanstaande tersiêre instellings wêreldwyd. Veral sy professoraat aan die Delftse Univer- siteit vir Tegnologie lewer ’n internasionaal gerekende navorsingsg roep oor herwinning en volhoubare tegnologie op, en beduidende voor- uitgang met volhoubare produkontwerp. In die bedryf blink hy uit as hooftegnologiebeampte by Ausmelt, Australië, en tegn olo gie be stuurs- direkteur by die Finse firma Outotec. As direkteur by die Helmholtzinstituut vir Hulpbrontegnologie, Freiberg, werk hy steeds onverpoosd aan instrumente vir ’n sirkulêre ekonomie wat hulpbroninsette en vermorsing beperk.

Reuter bly ’n passievolle opvoeder oor volhoubare ingenieurswese en het al vir 130 nagraadse studente as studieleier opgetree. Hy gee steeds klas in prosesmetallurgie, herwinning en volhoubare ontwerp. Dié wêreldspeler bly boonop getrou aan sy herkoms en het al verskeie Outotec-toekennings vir Suid-Afrikaanse nagraadse studente op die gebied van volhoubare mineraalverwerking bekom.

Eerbewyse vir hierdie produktiewe outeur en gesogte internasionale spreker se werk behels onder andere die prestigeryke prys van die Vereniging vir Minerale, Metale en Materiale vir uitgelese dosent.

Die US vereer graag hierdie toekoms- en volhoubaarheidsgerigte leier op sy gebied as toonbeeld van die kenmerke waarna elke Stellenbosse afgestudeerde behoort te streef.

**THE DEGREE DOCTOR OF ENGINEERING (DEng), *HONORIS CAUSA***

**to Markus A Reuter**

*for his outstanding contribution to the science, technology and industry of metals production, recycling and resource efficiency, and his continued commitment to equipping young engineers as the thought leaders of tomorrow who will take up the baton of securing a sustainable future for all.*

Skilfully integrating teaching, research and industrial practice, Professor Markus Reuter has helped society onto a more sustainable path, em- powering stakeholders from classrooms to boardrooms and the halls of power to take informed decisions to apply resources more sustainably.

Born and bred in Stellenbosch, Reuter holds the degrees BEng (Chemical Engineering), MEng, PhD and DEng from Stellenbosch Uni- versity (SU). His stellar research and teaching have also earned him a Doctorate *honoris causa* from the University of Liège, Belgium.

His career attests to unequalled proficiency in both academia and industry. As an academic, he has been attached to several prominent tertiary institutions worldwide. Particularly his professorship at Delft University of Technology yielded a world-leading research group on recycling and sustainable technology, and many advances in sustainable product design. In industry, he excelled as chief executive technologist at Ausmelt in Australia and technology management director at the Finnish firm Outotec. In his current role as director at the Helmholtz Institute Freiberg for Resource Technology, he continues to develop the tools to enable a circular economy that minimises resource inputs and waste.

Passionate about fostering sustainable engineering amongst young scholars, Reuter has supervised 130 postgraduates and still teaches process metallurgy, recycling and sustainable design. This global player also remains true to his roots, having initiated several Outotec grants for South African postgraduates in sustainable mineral processing.

Accolades for the work of this prolific author and sought-after inter- national speaker include the prestigious Minerals, Metals and Materials Society’s distinguished lecturer award.

SU is proud to honour this future-focused, sustainability-minded leader in his field as an embodiment of the attributes every Stellenbosch graduate should strive to attain.