

PROGRAM VIR DIE SEWENDE PLEGTIGHEID

DIE FAKULTEIT NATUURWETENSKAPPE

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 en sodoende te verseker dat die verrigtinge sonder ontwinging verloop.

1. Akademiese prosesie 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 die eregraduandi 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 kandidate vir Kanselierstoekennings en oorhandiging van die toekennings deur die Kanselier.
8. Sluiting deur die Kanselier.
9. Akademiese prosesie verlaat die verhoog.

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

PROGRAMME FOR THE SEVENTH CEREMONY

THE FACULTY OF SCIENCE

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 Prof X Simon.
5. Presentation of the candidates for honorary degrees and conferment of the honorary 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 candidates for Chancellor's Awards and presentation of the awards 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.

ISICWANGCISO-NKQUBO SOMSITHO WESIXHENXE

IFAKHALTHI EYOBUNZULULWAZI KWEZOBUGQI

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. Kukulwa uMhobe weSizwe (Jonga kumphakathi weqweqwe lokugqibela). Emva koko, ningahlala phantsi.
3. UMsitho uvulwa ngokusesikweni nguTshansila.
4. Ulwamkelo lwenziwa nguTshansila noNjing X Simon.
5. Ukwaziswa kwabaza kuthweswa izidanga zembeko nokuthwesa kwabo izidanga zembeko nguTshansila.
6. Ukunikezelwa kweezingqini-mfundo kubafundi yintloko yefakhalthi (idin) echaphazelekayo nokuthweswa kweezingqini-mfundo nguTshansila.
7. Ukwaziswa kwabagqatswa beBhaso likaTshansila nokunikezwa kwamabhaso nguTshansila
8. Ukuvalwa koMsitho nguTshansila.
9. Ukuvalwa koMsitho nguTshansila

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 ZEZEMFUNDO

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

Fakulteit Natuurwetenskappe

Faculty of Science

IFakhalthi yezobuNzululwazi kwezobuGqi

BACCALAUREUS IN DIE NATUURWETENSKAPPE (BSc) BACHELOR OF SCIENCE (BSc)

ABRAHAMS, Angelique Maria Rodrigues
ABRAHAMS, Kirsty
ABRAHAMS, Meagan
ADAMS, Sharnay Jade
ADAMS, Yumnah
AFRIKA, Amanda Jeanine
AGYARE-DWOMOH, Yaa Nyantakyi
ALWARD, Forrest Leigh
ANDRE, Berdine
AREAL, Ashtyn Tracey
ARMSTRONG, Jonathan Iain
ASBURY, Tamaryn Anne
AUBIN, Alicia Grace
BADENHORST, Alicia
BADENHORST, Melinda
BAILEY, Tarryn Anne
BALL, Samantha Jayne
BASSON, Adelle
BEATSON, Jacqueline Laura
BENADE, Hancke
BESTER, Ruan
BEZUIDENHOUT, Delene
BLIGNAUT, Danielle
BODIAT, Nabeelah
BOLTON, David
BOONZAAIER, Erin Shimoné
BOONZAIER, Marius
BOSHOFF, Sinead Madelyn
BOTH, Stefan Marc
BOUWER, Hendrik Johannes
BOWIEN, Michelle
BRADFORD, Francis Blake
BRAND, Anelda
BRASSELL, Maxine
BROOKE, Fiona Claire
BROWN, Candice Kelley
BROWN, Mariska

BURGER, Anna-Mart
BURSEY, Brian Myles Evans
BUYS, Naomi
CANNON, Bryan Jason
CAROLUS, Timothy Gary
CASSIDY, Penn
CILLIERS, Kaylin
CLIFFORD, Zandalee
COETZEE, Nicholas John Karel
COETZEE, Sandra
COETZER, Alexandra Ruxton
COLLINS, Courtney
CRONJE, Wilhelm Lourens
DANIEL, Jeanne Elizabeth
DAVIES, Thomas Patrick
DE KLERK, Shoeneez Riana
DE KOCK, Ewald Cornelius
DE KOCK, Michaela
DE OLIVEIRA, Daniel Xavier
DE VILLIERS, Doré
DE VILLIERS, Michael
DE VILLIERS, William Henry
DE WAAL, Candice Raquel
DE WAAL, Greta Marie
DE WET, Sholto
DIACON, Nathalie
DIRKSE VAN SCHALKWYK, Lise
DLANGALALA, Manana
DOBIE, Matthew Scott
DU PLESSIS, Frank
DU PLESSIS, Hildegard
DU PLESSIS, Su-Mari
DU PREEZ, Pieter
DU TOIT, Francois Barnardt
DU TOIT, Leo Adriaan
DUMBLETON, Bronwyn Catherine
DUNN, Sharne Justine
DUNN, Stephan Chalmers
DUPREZ, Didier Raphael Roger
EABY, Alan Calvin
EKSTEEN, Christo Frederik
ELS, Krisna
ENGELBRECHT, Fritz-Herman
ENSLIN, Nicholas George
FERREIRA, Janca
FERREIRA, Lizé-Mari
FISCHER, Kelly Skye

FORTUIN, Graham Stephen
 FOURIE, Anchen
 FOURIE, Carla
 FOURIE, Nicola Carolene
 FREYER, Oliver
 FRICKEL, Emma
 FROST, Calanthe Amica
 GEFFEN, Jessica Elizabeth
 GERBER, De Pallier Heinrich
 GILLESPIE, Micaela Simone
 GOLDSWAIN, Samantha Jane
 GOULD, Khaya Timothy
 GOUWS, Adele Nicole
 GOUWS, Hendrik Andries
 GOVENDER, Preston
 GREEN, Nicole Joy
 GRIEBENOW, Schalk
 GRIER, Storm Monro
 GROBBELAAR, Jacoléne
 GROBBLER, Candice
 GROENEWALD, Jeffrey Michael
 HAARHOFF, Ruan
 HAGELTHORN, Christy Lee
 HAGEN, Bianca Louise
 HAINE, Phillipa Claire
 HAMDULAY, Yaasmeen
 HAMILTON, Megan April
 HANSEN, Oliver Kai
 HANSLIP, Jonathan Michael
 HARILALL, Zita Michelé
 HATTINGH, Dylan Kenneth
 HEARNE, Tamryn
 HEATHCOTE, Courtney Paige
 HEATHCOTE, Storme Louise
 HENKE, Zaskia
 HILL, Kimberley Louise
 HIRD, Amy Patricia
 HOFFMAN, Kyle
 HUGHES, Katherine Alexandra
 ISAACS, Morgan Phil
 JABAAR, Oesaamah
 JACOBS, Jan Jacobus
 JACOBS, Melissa Robyn Annabelle
 JACOBS, Steffen Graham
 JANSE VAN VUUREN, Jan Elbert-Michael
 JANSE VAN VUUREN, Melani
 JANSE VAN VUUREN, Wadia
 JANSEN VAN VUUREN, Jody-Li
 JENJE, Matthew Kennedy
 JOOSTE, Caleb Jason
 JORDAAN, Lydia
 JOUBERT, Monique
 JULIES, Jamie Cristen
 KALIMASHE, Leroy
 KAMANZI, Kankindi Conchita
 KAPDI, Khatija Noor
 KAT, Caitlin
 KEMPF, Marie-Christin
 KENNEALY, Meghan
 KENNEDY, Ryan James
 KERET, Rafael
 KEUCK, Gerhard Paul
 KLEYNHANS, Jacob Lourens
 KOCH, Andrea
 KOEKEMOER, Annike Elizabeth
 KOEN, Johannes Marko
 KÖNIG, Christel
 KÖNIG, Inge
 KRINSKY, Daniella
 KROESE, Melissa
 KRUGER, Chantal
 KUYLER, Gestél Christine
 LABUSCHAGNE, Marcel
 LABUSCHAGNE, Pieter Willem Jacobus
 LAFITE, Amy
 LANDMAN, Christiaan Hendricus
 LAROS, Sebastian Francis
 LE CORDEUR, Nathan Seth
 LE ROUX, Stuart Francois
 LEAR, Daniel Alexander Kinton
 LESCH, Desmarie Joy
 LEUKES, Aretha
 LEUKES, Kay-Lynn Amber-Mari
 LEWIS, Kay-Lee
 LEZAR, Kelly Leigh
 LIEDEMAN, Nicole
 LINDE, Henry
 LINNERT, Heinrich
 LISSONI, Bianca Elizabeth
 LOCHNER, Adri
 LOUW, Ané
 LOUW, Jane Adelheid
 LOUW, Johnelize
 LOUW, Luaan
 LOUW, Megan Pamela Roma
 LUBBE, Jana
 MAART, Sasha Leigh
 MacDERMOTT, Tamryn Leigh Dermot
 MAJODINA, Siphumelele
 MAKHAFOLA, Khomotso Malachia Jack
 MANOLAS, Erin Lee
 MANYONGA, Sydney Tineyi
 MANZINI, Siphio Milo
 MARAIS, Bianca
 MARAIS, Carlien Rensie
 MARAIS, Niel Hardus
 MARTIN, Donna-Lee Pamela
 MARTIN, Keanu
 MATTHEWS, Roxanne
 MATUMO, Duduetsang Emily
 MEIRING, Christina
 MEIRING, Elizabeth
 MINNIES, Stephanie
 MÖLLER, Johanna Christina
 MOORE, Kate Alexandra
 MORRIS, Cassidy
 MOUTON, Carene
 MUNNIK, Alicea

MYBURGH, Lauren
 MYBURGH, Marthinus Wessel
 NAICKER, Serena
 NAUDE, Chad Earl
 NDEBELE, Bonisile Yonela
 NDIWENI, Zanobuhle
 NEKATAMBE, Carollyn Ruramai
 NEL, Beyers Pietersen
 NEL, Clarina Cecilia
 NEL, Shirne
 NEL, Sybrandt Etienne Adri
 NEMATSWERANI, Ronewa
 NETHENGWE, Murendeni
 NEWTON, Emma Charlotte
 NIEMAN, Willem Adriaan
 NIEUWOUDT, Megan Amber
 NKOSI, Nondumiso Belvia
 NTSHIEA, Maletsatsi
 NUMBI, Arsene Monga
 O'LEARY, Graham Patrick
 ODILEY, Tessy
 OLIVIER, Anja
 OLIVIER, Lukas van Zyl
 OOSTHUIZEN, Elmarize
 PALFRAMAN, Justine
 PARK-ROSS, James Meyrick
 PARSHOTAM, Rajiv
 PETERSEN, Lauren Nicole
 PETZOLD, Angeleigh
 PHILLIPS, Ashleigh
 PHIRI, Sharon Zamokuhle
 PIENAAR, Zahne
 PIETERSE, Jeffrey Jerome
 PINHEIRO, Cassandra
 PIVO, Dylan
 POLLOCK, Courtney Jade
 POLLY, Andrew
 POTGIETER, Charl
 POTGIETER, Stephanie
 POWELL, Chanté Melissa
 PRECIOUS, Cara-Jo
 PRESTELE, Marc Patrick
 PRETORIUS, Ina-Mari
 PRETORIUS, Mauritz Hermon Otto
 PRINS, Justin Lee
 PRINS, Sanette
 RADEMAN, Anna Elizabeth
 RAMODIKE, Katlego Samantha
 RAMRUTHAN, Nikitia
 RAUTENBACH, Kayla Tracey
 REDDY, Divania
 REYNOLDS, Nina
 REZELMAN, Gustav
 ROBERTSON, Tremaine Wentzel
 ROGERS, Brad Vernon
 ROODE, Shelcon-Lee Rowan
 ROPERTZ, Megan Nicole
 ROSSOUW, Kelly Nicole
 RUSSOUW, Andre
 RUST, Catharina Magdalena
 SAAIMAN, Petro Joey
 SAIEVA, Marco
 SAMIE, Shakier
 SCHOEMAN, Susanna Fransina
 SCHOOLING, Leanne
 SHER, Lucien
 SICKEL, Desiree
 SMITH, Liam Narada
 SNAYER, Trégen Michael
 SNYMAN, Zoe
 SOLOMONS, Karla Precious Reinette
 SPEELMAN, Tammy Simone
 SPURWAY, Tamzin
 STEENKAMP, Daniela Jayde
 STEIN, Lisa
 STEVENS, Celeste
 STEYN, Kim Henry
 STEYTLER, Jan George
 STOKER, Joseph Murray
 STONE, Marian
 STRAUSS, Mariske
 STRYDOM, Janine
 SÜLLWALD, Stephanie
 SWANEPOEL, Lara
 SWART, Megan
 SWART, Yolandi
 TALJAARD, Johannes Hendrik
 TALJAARD, Nelithe
 THERON, Lauren Therese
 THEUNISSEN, Bianca
 THISTLETON, Caitlin
 THOKA, Kgadi Cedric
 THOMSON, Greig James Angus
 TOLMAY, Quinton Meyrick
 TSHWANE, Dorris Nname
 VAN DEN AARDWEG, Tasha
 VAN DEN BOSCH, Kaylee Robyn
 VAN DEN HEEVER, Michael
 VAN DEN HEEVER, Seth Adrian
 VAN DER MERWE, Charl Herman
 VAN DER MERWE, Elizabeth
 VAN DER WALT, Pieter Johannes
 VAN DER WESTHUIZEN, Stanzé
 VAN DYK, Karla
 VAN EMMENIS, Leone
 VAN HEERDEN, Kyle
 VAN HEERDEN, Ross Cameron
 VAN LAEREN, Michael Peter
 VAN NIEKERK, Eska Elizabeth
 VAN NIEKERK, Matthew Gary
 VAN SCHALKWYK, Carla
 VAN SCHOOR, Abrie
 VAN STADEN, Wynand-Junior
 VAN WYK, Joandre

VAN WYNGAARDT, Brenda Jane
 VENTER, Brendan
 VERMEULEN, Reinhardt Wentzel
 VISAGIE, Nicole-Lynn
 VISSER, Benjamin le Roux
 VISSER, Stephan
 VOOGT, Cara
 VORSTER, Nina
 WALKER, Ruairi Alexander Wilson
 WALTERS, Curtley Carl
 WARNER, Leanne Mary
 WEI, Xueting
 WEYER-HENDERSON, Gabriella Joy
 WIESE, Zandri
 WILKINSON, Michael Norman
 WILLIS, Emily Jayne
 WILLMOTT, Peter
 WILSON, Daeyaan
 WILTERS, Inge Merle
 WOOD, Kerrilyn
 YOUNG, Caitlyne

**BACCALAUREUS IN DIE NATUURWETENSKAPPE
 CUM LAUDE (BSc CUM LAUDE)
 BACHELOR OF SCIENCE CUM LAUDE
 (BSc CUM LAUDE)**

BOSCH, Caylin
 CAMERON, Scott Alexander
 CHARLES-CHIKEZIE, Chisom Prince
 DE LANGE, Andria
 DELANEY, Kayla Eileen
 DOOLEY, Kyla Bianca
 DUNWOODY, Andrew Robert
 FERGUSON, Royangus
 GREY, Kerry-Anne
 HAMANN, Justine Lisa
 HOFFMANN, Lelanie
 JOSIAS, Shane
 MERRY, Ashleigh Jane
 MEYER, Francois Rolihlahla
 SCHIRMACHER, Brian
 THOMPSON, Peter Albert
 VAN DEN HEEVER, Christiaan Frederik
 VERMEULEN, Liezl Mari
 VORSTER, Nicole
 WARRINGTON, Staci
 WEST, Dominique
 WILKEN, Willem Johannes

**HONNEURS-BACCALAUREUS IN DIE
 NATUURWETENSKAPPE (HonsBSc)
 BACHELOR OF SCIENCE HONOURS (BScHons)**

ABRAHAMS, Carmelita Bianca (Fisiologiese Wetenskappe)
 ADAMS, Robyn Anne (Fisiologiese Wetenskappe)
 ALBERTS, Emile (Rekenaarwetenskap)
 ALBERTYN, Christoff Christiaan (Biochemie)
 BAGLEY, Aidan Fletcher (Aardwetenskappe)
 BALCOMB, Ashleigh Rae (Genetika)

BARNARD, Gulia (Genetika)
 BARNARD, Lizaan (Mikrobiologie)
 BASSON, Anna Carolina (Biodiversiteit en Ekologie)
 BECKS, Dana Catherine Marshall (Fisiologiese Wetenskappe)
 BERGH, Wikus (Biochemie)
 BERNDT, Joshua (Rekenaarwetenskap)
 BERTOSI, Luca (Chemie)
 BEYERS, Marisca (Aardwetenskappe)
 BLIGNAUT, Johan (Aardwetenskappe)
 BOLUS, Reece Hutchinson (Biodiversiteit en Ekologie)
 BORSTLAP, Cornelius Johannes (Genetika)
 BOSHOFF, Anel Willamien (Fisiologiese Wetenskappe)
 BOTES, Erik (Rekenaarwetenskap)
 BOTHMA, Johannes Christoffel (Biodiversiteit en Ekologie)
 BOUWER, Wilmarie (Biochemie)
 BRAND, Chante (Biochemie)
 BRINK, Danielle (Biochemie)
 BRINK, Marissa (Genetika)
 BRINK, Richelle (Biodiversiteit en Ekologie)
 BRÖCKER, Johann Heinrich Ludwig (Mikrobiologie)
 BROOKS, Jolene (Plantbiotegnologie)
 BUCHANAN, Julie Anne (Aardwetenskappe)
 BURGER, Joleen (Fisiologiese Wetenskappe)
 CHRISTOWITZ, Claudia (Fisiologiese Wetenskappe)
 CISNEROS LAZARO, Deyanira Graciela (Aardwetenskappe)
 COLOMBO, Lawrence Oliver (Toegepaste Wiskunde)
 CONRADIE, Daleen (Fisiologiese Wetenskappe)
 DI LEVA, Steffan Carlo (Biodiversiteit en Ekologie)
 DOUBELL, Jean Marie (Plantbiotegnologie)
 DU PREEZ, Brian (Biodiversiteit en Ekologie)
 DU TOIT, Lauren Anita (Mikrobiologie)
 DU TOIT, Megan Ceris (Mikrobiologie)
 DU TOIT, Nicola (Genetika)
 DU TOIT, Ruan Christiaan (Rekenaarwetenskap)
 EKSTEEN, Anishka (Biochemie)
 FOURIE, Michelle (Biodiversiteit en Ekologie)
 GADD, Taun Adam (Rekenaarwetenskap)
 GALHENAGE, Amalsha Nawodi (Biochemie)
 GIFFARD, Justin James (Rekenaarwetenskap)
 GLOYN-JONES, Jonathan Nicholas (Aardwetenskappe)
 HACKING, Chris (Geo-informatika)
 HELLSTROM, Nicolene (Biodiversiteit en Ekologie)
 HENNING, Robert (Fisiologiese Wetenskappe)
 HENRY, Sabine Laurence (Aardwetenskappe)
 HOFFMAN, Mizpah Jeshurun (Biodiversiteit en Ekologie)
 HORN, Shade (Biochemie)
 HUGO, Melt (Genetika)
 HULL, Kelvin Lloyd (Genetika)
 JAFTHA, Marche Liani (Biochemie)
 JAKINS, Nicholas Theo (Rekenaarwetenskap)
 JAMODIEN, Riyaadh (Fisika)
 KHAN, Khaalid (Fisiologiese Wetenskappe)
 KHOZA, Akile (Fisiologiese Wetenskappe)
 KIBE, Tsebo (Wiskunde)
 KILLIAN, Kayla Marion (Biodiversiteit en Ekologie)
 KNOX, Kirsty Leigh (Biochemie)
 KOHLAKALA, Aviwe (Toegepaste Wiskunde)

KRUGER, Eric Ruben (Aardwetenskappe)
 KULENKAMPPF, Kyle Sieghard (Biodiversiteit en Ekologie)
 LAMBO, Jose Francisco (Rekenaarwetenskap)
 LANZ, Kerry Wyndham (Fisiologiese Wetenskappe)
 LATEGAN, Wilma Dorette-Dawn (Fisiologiese Wetenskappe)
 LAWRENCE, Roscoe Gerald (Geo-informatika)
 LAZARUS, Louis Reuben (Aardwetenskappe)
 LE ROUX, Wildene (Plantbiotegnologie)
 LEKOMA, Lebogang Ogodiseng (Wiskunde)
 LERM, Johannes Muller (Chemie)
 LOGGENBERG, Kyle (Geo-informatika)
 LUYT, Harry (Geo-informatika)
 MATTHEWS, Megan Esme (Polimeerwetenskap)
 MEAKER, Charné (Fisiologiese Wetenskappe)
 MELONAS, Angelo (Rekenaarwetenskap)
 MOLIFIE, Andrea (Aardwetenskappe)
 NCUBE, Pamela (Mikrobiologie)
 NJOKWENI, Sesethu Gift (Mikrobiologie)
 NKABINDE, Wenzile Nonjabulo Nomvuzo (Aardwetenskappe)
 OOSTHUYSE, Jessica Kay (Biodiversiteit en Ekologie)
 PAGE, Lucan Dylan (Genetika)
 PARAU, Danielle (Toegepaste Wiskunde)
 PARKER, Blaine (Rekenaarwetenskap)
 PIETERS, Janto (Plantbiotegnologie)
 PILLAY, Nathan Lingamurthi (Wiskunde)
 PRINS, Adriaan (Geo-informatika)
 PRINS, Francis (Chemie)
 PYPER, Jean-Christo (Aardwetenskappe)
 REUTER, Sulandy (Fisiologiese Wetenskappe)
 ROSSOUW, Johann Herman (Mikrobiologie)
 SCOTT, Kirsten (Fisiologiese Wetenskappe)
 SEYMOUR, Sian Ann Mary (Biodiversiteit en Ekologie)
 SHAW, Klarissa (Biochemie)
 SINGELS, Arjen Marco (Rekenaarwetenskap)
 SLINGERS, Brad Timothy (Biochemie)
 SMIT, Chandre Micaela (Polimeerwetenskap)
 STEMMET, Willem Christoffel (Aardwetenskappe)
 STEYN, Francis Bert (Toegepaste Wiskunde)
 SUGDEN, Cameron (Fisiologiese Wetenskappe)
 SWART, Jacques Joubert (Fisiologiese Wetenskappe)
 SYMONS, Robyn Caroline Ray (Aardwetenskappe)
 TEEK, Shane Tabor (Aardwetenskappe)
 THOMPSON, Nicole Sabina (Genetika)
 TUNSTALL, Rebecca (Genetika)
 TWEKYE, Ninsiima (Geo-informatika)
 UKENA, Courtney Lashua-Lasdine (Aardwetenskappe)
 VAN DER WESTHUIZEN, Jacobus Lodewicus (Rekenaarwetenskap)
 VAN NIEKERK, Marthinus Gerhardus Mynhardt (Polimeerwetenskap)
 VAN RENSBURG, Hendre (Biodiversiteit en Ekologie)
 VAN ROOYEN, Jared David (Aardwetenskappe)
 VAN STADEN, Michaela (Genetika)
 VAN WYK, Clarissa (Fisiologiese Wetenskappe)
 VAN WYK, Gert-Hendrik (Biochemie)
 VAN WYK, Lisa Mercene (Chemie)
 VAN WYK, Morné (Biochemie)
 VAN ZYL, Mia-Lee (Aardwetenskappe)
 VERMEULEN, Christel (Genetika)

VILJOEN, Anton (Aardwetenskappe)
 VILJOEN, Johannes Jacobus (Aardwetenskappe)
 VORHIES, Luke Nolte (Wiskunde)
 WATKINS, Barry (Geo-informatika)
 WELSH, Ashleigh Lisa (Biochemie)
 ZASTRON, Petrus Johannes (Rekenaarwetenskap)
 ZEEMAN, Adriaan Siebrits (Aardwetenskappe)

**HONNEURS-BACCALAUREUS IN DIE
 NATUURWETENSKAPPE CUM LAUDE
 (HonsBSc CUM LAUDE)
 BACHELOR OF SCIENCE HONOURS CUM LAUDE
 (BScHons CUM LAUDE)**

ASMUS, Justin Joseph (Mikrobiologie)
 BLUNDEN, Sarah Kate (Siellkunde)
 BOTHA, Jana (Chemie)
 CLEMENTS, Tanya Lee (Mikrobiologie)
 DE KOCK, Celeste (Biodiversiteit en Ekologie)
 DE NOBREGA, Kamillah (Fisiologiese Wetenskappe)
 DREYER, Megan (Biodiversiteit en Ekologie)
 DU BUISSON, Johannes Petrus (Fisika)
 GOBA, Siboniso Nqubeko (Wiskunde)
 HARRISON, Kayla Louise (Toegepaste Wiskunde)
 JACOBS, Ingrid (Plantbiotegnologie)
 KIRSTEN, Gerhardus Petrus (Toegepaste Wiskunde)
 KOK, Michelle (Biochemie)
 LEID, Alexander (Rekenaarwetenskap)
 LOUW, Jan Cillie (Fisika)
 MALAN, Delena (Rekenaarwetenskap)
 MARTIN, Jade Kyle (Mikrobiologie)
 MATLOU, Khotso Precious (Wiskunde)
 McJARROW, Kristin (Biochemie)
 MEYER, Johannes Petrus (Biochemie)
 MOSTERT, Nicolas Jacobus (Toegepaste Wiskunde)
 MOYA, Mandisi Donald (Wiskunde)
 NELSON, Dylan Richard (Wiskunde)
 RAJKUMAR, Kerishka (Biochemie)
 RANDLE, Matilda Rose (Biodiversiteit en Ekologie)
 RISTOW, Brandon (Wiskunde)
 SCHULZE, Melissa Jane (Biodiversiteit en Ekologie)
 SMIT, Jacobus (Rekenaarwetenskap)
 STANDER, Rudolf (Rekenaarwetenskap)
 SWARTS, Iain (Rekenaarwetenskap)
 VALENTINE, Marisa (Mikrobiologie)
 VAN BERKEL, Jenna (Biodiversiteit en Ekologie)
 VAN DER WALT, Felix Etienne (Plantbiotegnologie)
 VAN WYK, Rosalind Jeanette (Biochemie)
 VERWER, Charles (Rekenaarwetenskap)
 WASO, Frederick John (Fisika)

**MAGISTER IN DIE NATUURWETENSKAPPE (MSc)
 MASTER OF SCIENCE (MSc)**

ADESUYI, Ayodeji Steve (Geo-informatika)
 ANGOMBE, Moses Tuutaleni (Geologie)
 ARRIES, William John (Chemie)
 BALLIM, Khaleed (Geo-informatika)
 BARNARD, Elaine (Chemie)
 BARNARD, Ilse (Chemie)
 BRITS, Christiaan Petrus (Fisika)

CHISAPI, Vernon Maluba (Fisika)
 GROENEWALD, Lida-Mari (Plantkunde)
 HARTZENBERG, Lionel Christopher (Plantbiotegnologie)
 HASSAAN, Waleed Khaled Khalaf (Wiskundige Wetenskap)
 JANSE VAN RENSBURG, Henry Christopher (Plantbiotegnologie)
 JOHNSON, Olga (Fisiologiese Wetenskappe)
 LOUW, Carla (Biochemie)
 MAKGATHO, Maropeng (Wiskundige Wetenskap)
 MARAIS, Sumine (Fisiologiese Wetenskappe)
 MARAIS, Tessa (Toegepaste Wiskunde)
 MASOABI, Malira (Genetika)
 MBOLAMBI, Cikizwa (Geografie en Omgewingstudie)
 MOODLEY, Kerissa (PolimeerWetenskap)
 OMONDI, Evans Otieno (Wiskunde)
 OTIENO, Josline Adhiambo (Wiskundige Wetenskap)
 PETERSEN, Kelly Shirley (Fisiologiese Wetenskappe)
 REEVES, Christopher Nicholas (Fisiologiese Wetenskappe)
 STEYN, Louis (Genetika)
 VISSER, Ilze (Genetika)
 WENGER, Sebastian Michael Benedict (Geo-informatika)

MAGISTER IN DIE NATUURWETENSKAPPE

CUM LAUDE (MSc CUM LAUDE)

MASTER OF SCIENCE CUM LAUDE (MSc CUM LAUDE)

BROOM, Casey Jay (Dierkunde)
 CHALEBGWA, Taboka Prince (Wiskunde)
 COETZEE, André (Geologie)
 DE KOCK, Antonie Johannes (Toegepaste Wiskunde)
 DE KOCK, Sunel (Chemie)
 DU TOIT, Carlo (Toegepaste Wiskunde)
 GEBREMARIAM, Zoe Zerihun (Wiskunde)
 GREEN, Mark Theaker (Fisika)
 KRIEL, Jurgen Andries (Fisiologiese Wetenskappe)
 KRUGER, Tolene Mia (Geologie)
 LAUBSCHER, Wikus Ernst (Biochemie)

LOUW, Gerard Jacques (Wiskunde)
 McDONALD, Dane Euclid (Dierkunde)
 NAMUNDJEBO, Elia Nghilifavali (Wiskunde)
 NNAKENYI, Chinenye Assumpta (Wiskunde)
 POWRIE, Yigael Samuel Louis (Fisiologiese Wetenskappe)
 STRAUSS, Paula (Dierkunde)
 STRYDOM, Lindi (Plantbiotegnologie)
 VON STEIN, Paul-Franzl Xavier (Fisika)

DOKTORSGRADE

Doktorsgrade word by 'n afsonderlike plegtigheid in die Endlersaal toegeken.

DOCTORATES

Doctoral degrees will be conferred in a separate ceremony in the Endler Hall.

EZOBUGQIRHA

Izidanga zobugqirha ziya kuthweswa kumsitho owahlukileyo e-Endler Hall.

MEDALJE (Ter kennisname)

MEDAL (For your information)

IMBASA (Ukwenzela ulwazi lwakho)

Fakuliteit Natuurwetenskappe

S₂A₃-medalje:

Mnr PFX von Stein

Fakulteit Natuurwetenskappe

Faculty of Science

Ifakhalathi yobuNzululwazi kwezobuGqi

PROF BERT KLUMPERMAN

Prof Bert Klumperman, bekleër van die navorsingsleerstoel in gevorderde makromolekulêre argitekture, word as 'n wêreldleier op die gebied van vryeradikaalpolimerisasie beskou. As een van slegs drie A-gegradeerde chemici in Suid-Afrika, konsentreer sy navorsing tans op nanogeneeskunde in die soeke na polimeriese leweringstelsels vir bekende én nuwe geneesmiddels teen siektes soos malaria en kanker. Dié genoot van die *Royal Society of South Africa* word gereeld genooi as spreker by internasionale konferensies en is die redakteur van vaktydskrifte soos *European Polymer Journal* en *Transactions of the Royal Society of South Africa*. Klumperman se wetenskaplike bydraes is al met 'n goue medalje van die Suid-Afrikaanse Chemiese Instituut, die Sasol-prys vir Innoveerder van die Jaar en die Nasionale Wetenskap- en Tegnologieforum se prys vir lewenslange bydraes bekroon.

Prof Bert Klumperman, incumbent of the research chair in advanced macromolecular architectures, is considered a world leader in the field of free radical polymerisation. One of only three A-rated chemists in South Africa, his research currently focuses on nanomedicine, working on polymeric delivery systems for known and newly developed drugs to fight diseases such as malaria and cancer. This fellow of the Royal Society of South Africa is frequently invited to deliver lectures at international conferences and is the editor of journals such as *European Polymer Journal* and *Transactions of the Royal Society of South Africa*. Klumperman's scientific contributions have won him a gold medal of the South African Chemical Institute, the Sasol Chemistry Innovator of the Year award, and the National Science and Technology Forum's lifetime achievement award.

PROF LEON DICKS

Prof Leon Dicks, uitgelese professor in mikrobiologie, se lewenslange navorsing oor melksuurbakterieë het aan hom wêrelderkenning en etlike pryse besorg. Sy navorsing oor 'n bakteriosien wat deur *Lactobacillus plantarum* vervaardig word, in kombinasie met 'n *Enterococcus mundtii*-stam, het gelei tot die unieke probiotikum entiro™, wat Cipla Medpro in 2005 kommersieel vrygestel het. In 2007 is die *E. mundtii*-antimikrobiese peptied en die probiotiese eienskappe van die stam in 65 lande gepatenteer. Dicks bestudeer tans die interaksie van bakteriosiene en antimikrobiese peptiede op eukariotiese selle, en die nut van nanovesel en nanopartikels as midde-toedieningstelsel. Hy het al 'n silwer medalje van die Suid-Afrikaanse Vereniging vir Mikrobiologie, die TW Kambuleprys van die Nasionale Wetenskap- en Tegnologieforum/BHP Billiton én die Havengaprys vir Lewenswetenskappe van die Suid-Afrikaanse Akademie vir Wetenskap en Kuns ontvang.

Distinguished professor of microbiology Prof Leon Dicks's lifelong research on lactic acid bacteria has won him international acclaim and several awards. His research on a bacteriocin produced by *Lactobacillus plantarum*, in combination with a strain of *Enterococcus mundtii*, resulted in the unique probiotic entiro™, which was commercialised by Cipla Medpro in 2005. In 2007, the *E. mundtii* antimicrobial peptide and probiotic properties of the strain were patented in 65 countries. Dicks is currently studying the interaction of bacteriocins and antimicrobial peptides on eukaryotic cells, and the use of nanofibres and nanoparticles as drug delivery systems. He has, amongst others, received a silver medal from the South African Society for Microbiology, the National Science and Technology Forum/BHP Billiton TW Kambule award, and the Havenga award for life sciences from the Suid-Afrikaanse Akademie vir Wetenskap en Kuns.

DIE GRAAD DOKTOR IN DIE INGENIEURSWESE (DIng), HONORIS CAUSA,

aan Jan Johannes du Plessis

vir sy volgehoue innoverende bydraes tot die rekenaarwese en satellietegnologie waarmee hy talle ingenieurstudente geïnspireer het, die grondslag vir 'n vooruitstrewende tegnologie- en gerekende mikrosatellietbedryf in die land gelê het, en die Universiteit Stellenbosch én Suid-Afrika wêreldwye aansien besorg het.

Met bydraes soos die bekendstelling van parallelle-verwerker-rekenaars en groot rekenaargebruikersareas in Suid-Afrika, en die skep van 'n satellietvermoë vir die land, het prof Jan du Plessis hom as tegnologiepionier en innoveerder van formaat bewys.

Dié alumnus en oudprofessor in rekenaar- en beheerstelsels van die Universiteit Stellenbosch (US) het vir etlike tegnologie-eerstes gesorg. Hy installeer die eerste rekenaar by 'n Suid-Afrikaanse universiteit, ontwikkel die eerste Afrikaanse rekenaartaal, Abakus, skep die land se eerste mikrorekenaar-laboratorium, en werk mee tot Suid-Afrika se eerste 64-bis-rekenaar met parallelle argitektuur. Sy ontwikkeling van die eerste persoonlikerekenaarlaboratorium met netwerkverbinding was die voorloper van die rekenaargebruikersareas vir studente wat alle universiteite vandag as deel van hulle leer- en onderrigstrategie gebruik.

Met sy besondere ingenieurstantal help hy met aanvoerkwerk vir die gerekende SUNSAT-mikrosatellietprojek en word 'n kernrolspeler in die ontwikkeling van ultrategnologiese oplossings vir die ruimteomgewing. SUNSAT lok 'n ongekende getal nagraadse ingenieurstudente na die US. Die NASA-lansering van die satelliet in 1999 is 'n Afrika-eerste en word as een van die US se grootste prestasies én die begin van die Suid-Afrikaanse mikrosatellietbedryf beskou. Ook ná sy aftrede bly Du Plessis betrokke as tegniese adviseur vir verdere satelliet-ontwikkeling deur SunSpace, 'n SUNSAT-afwentelmaatskappy wat hy help stig het.

Prof Jan du Plessis se jare lange toewyding tot vooruitgang en vernuwung het tegnologie aan die US én in Suid-Afrika op 'n snelle ontwikkelingstrajek geplaas. Sy loopbaan getuig van die innovasie en toekomsgerigtheid waarmee die Universiteit hom graag vereenselwig.

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

to Jan Johannes du Plessis,

for his sustained, innovative contributions to computing and satellite technology, thereby inspiring many engineering students, paving the way for South Africa's booming technology and respected micro-satellite industries, and bringing both Stellenbosch University and the country international acclaim.

With contributions such as introducing South Africa to parallel-processor computing and large computer user areas, and creating a national satellite capacity, Prof Jan Du Plessis has proved himself a technology trailblazer and innovator of note.

This Stellenbosch University (SU) alumnus and former professor of computer and control systems delivered a range

of technology firsts. He installed the first computer at a South African university, developed the first Afrikaans computer language, Abakus, created the country's first microcomputer laboratory, and contributed to South Africa's first 64-bit parallel-architecture computer. His development of the first personal-computer laboratory with network connections was the precursor to today's student computer user areas utilised by all universities as part of their learning and teaching approach.

With his exceptional engineering talent, he helped initiate the esteemed SUNSAT microsatellite project and became a key role-player in developing high-tech space-environment solutions. SUNSAT attracted an unprecedented number of postgraduate engineering students to SU. The NASA launch of the satellite in 1999 was an African first, counts among SU's greatest achievements, and marked the inception of the South African microsatellite industry. Even post-retirement, Du Plessis remained involved as technical advisor for further satellite development through SunSpace, a SUNSAT spin-off company he helped establish.

Prof Jan du Plessis's longstanding pursuit of the innovative and the new has placed SU and South African technology on a rapid development trajectory. The University proudly associates itself with the innovation and future focus to which his career attests.

DIE GRAAD DOKTOR IN DIE WYSBEGEERTE (PhD), HONORIS CAUSA,

aan Dirk Frederik Mudge,

vir sy vernuftige dog beskeie leierskap in diens van sy land, sy uitnemende veranderingsbestuurvermoëns, en sy rol om as vredesmakelaar en handelaar in hoop op die vasteland, onafhanklikheid vir Namibië en versoening tussen wit en swart Afrikane te fasiliteer.

Namibiër Dirk Mudge het hom as transformasieleier onderskei deur die destydse Suidwes-Afrika, 'n Suid-Afrikaanse mandaatgebied, tot onafhanklikheid te help lei en wit en swart te versoen.

Nadat Mudge, 'n alumnus van die Universiteit Stellenbosch (US), die Suidwes-Afrikaanse politiek betree, sien hy hoe Verenigde Volke-organisasie- (VVO-)lede in die 1970's hulle rug op 'n destydse Suid-Afrikaanse kabinetsminister draai. Bekommerd oor Suid-Afrika se politiek en vasbeslote om 'n herhaling in Suidwes-Afrika te keer, voor hy eers die Turnhalle-beraad en later die Demokratiese Turnhalle-alliansie (DTA) aan. Met wit én swart steun vir onafhanklikheid en demokrasie wen die DTA in 1978 die eerste 'een mens, een stem'-verkieping en regeer tot 1983 met Mudge as Grondwetgewende Vergadering-voorsitter.

Tog boikot die *South West Africa People's Organisation* (SWAPO) die 1978-verkieping en vermoor tientalle oorgangsgesindes, waaronder kollegas van Mudge. Ook oudpresident PW Botha skop vas en probeer die DTA aan bande lê. Danksy die Verenigde Nasies (VN) se Resolusie 435 kan Mudge en kollegas egter die reis na vryheid onder VN-vredesbewaking voltooi.

In die daaropvolgende inklusiewe verkiesing bemiddel Mudge finansiële steun vir alle plaaslike partye en voel tevrede toe SWAPO met 57% van die stemme wen. SWAPO-leiers loof hom vir sy aandeel in die skryf van die grondwet vir 'n onafhanklike Namibië. Ook in die herskikte wetgewer dien hy sy land op landbou-, finansies-, openbarewerke- en infrastruktuurontwikkelingsgebied. Op 88 bly hy vol hoop vir Namibië, want “vrede en demokrasie het gewen”.

Dirk Mudge het met besondere visie dog beskeie voetsoolvlakleierskap sy land na vryheid help lei. Sy rol as vrede-stigter en skepper van hoop vir die vasteland verdien erkenning.

THE DEGREE OF DOCTOR OF PHILOSOPHY (PhD), HONORIS CAUSA,

to Dirk Frederik Mudge,

for his ingenious yet humble leadership in service of his country, extraordinary change management abilities, and his role in facilitating independence for Namibia and reconciliation between white and black Africans as a broker of peace and dealer in hope on the continent..

Namibian Dirk Mudge made his mark as transformation leader by helping to guide the former South West Africa, a South African mandate territory, to independence, and reconciling white and black.

In the 1970s, after he had entered South West African politics, Mudge, a Stellenbosch University (SU) alumnus, saw how United Nations Organisation (UNO) members turned their backs on a then South African cabinet minister. Concerned about South African politics and determined to avert a repeat in South West Africa, he first initiated the Turnhalle Conference and later the Democratic Turnhalle Alliance (DTA). With both white and black support for independence and democracy, the DTA won the first ‘one person, one vote’ election in 1978 and governed until 1983 with Mudge as Constituent Assembly chair.

However, the South West Africa People’s Organisation (SWAPO) boycotted the 1978 election and murdered tens of transition-minded people, including some of Mudge’s colleagues. Former president PW Botha also vehemently resisted and tried to inhibit the DTA. Thanks to United Nations (UN) Resolution 435, though, Mudge and colleagues were able to complete the journey towards freedom under the watchful eye of the UN peacekeeping force.

In the subsequent inclusive election, Mudge facilitated financial support for all local parties and felt a sense of accomplishment when SWAPO won with 57% of the vote. SWAPO leaders praised his role in drafting the constitution for an independent Namibia. He continued to serve his country in the realigned legislature in the fields of agriculture, finance, public works and infrastructure development. At 88, he remains hopeful for Namibia, as “peace and democracy were victorious”.

Dirk Mudge helped guide his country to freedom with extraordinary vision, yet humble grassroots leadership. His role as peacemaker and creator of hope for the continent deserves recognition.

DIE GRAAD DOKTOR IN DIE WYSBEGEERTE (PhD), HONORIS CAUSA,

aan Franklin Abraham Sonn,

vir sy rol in die transformasie van onderwys en opleiding, sy internasionale bydrae as beeldbouer van die land, sy werk as beginselvaste sakeman en onbaatsugtige gemeenskapsleier, en sy betrokke burgerskap wat die Suid-Afrikaanse samelewing na geregtigheid vir almal help stuur het..

Dr Franklin Sonn het hom as invloedryke meningsvormer teen apartheid, pedagoog, sakeman en openbare leier onderskei, en só die Suid-Afrikaanse samelewing 'n nuwe koers help inslaan.

As onderwyser en soeker na geregtigheid bevind dié Karoo-seun hom vroeg reeds in leiersposte in onderwysverenigings en -vakbonde, waar hy hom sterk teen aparte onderwys en die apartheidstelsel uitlaat. Toe demokrasie aanbreek, was Sonn die vanselfsprekende keuse om die onderwys te help transformeer, en stel wyle oudpresident Nelson Mandela hom as voorsitter van die Nasionale Onderwys- en Opleidingsforum aan. Buite die onderwys dien hy onder meer as SAUK-direksielid en ondervoorsitter van die Stedelike Stigting. In 1995 word dié patriot die land se eerste swart ambassadeur in Amerika, welke amp hy met waardigheid en integriteit beklee.

Met sy terugkeer staan Sonn weer sy plek in die sake-wêreld en gemeenskap vol, onder meer as voorsitter van die Afrikaanse Handelsinstituut (AHI) en ondervoorsitter van die Suid-Afrikaanse Kamer van Koophandel en Nywerheid. Oudpresident Thabo Mbeki stel hom in 2004 in die Vergoedingskommissie van Openbare Ampsdraers aan. Immer 'n onderwysman, dien hy boonop van 2002 tot 2009 as kanselier van die Universiteit van die Vrystaat. Benewens sy vyf direksieposte dien dié veelsydige leier ook tans onder meer as trustee van die Desmond Tutu-vredetrust en van die Wêreld-Natuurfonds (WWF), voorsitter van die Stigting vir Gemeenskapswerk, en beskermheer van die Klein Karoo Nasionale Kunstefees. Sy uitsonderlike rol op soveel gebiede is al met 12 eredoktorsgrade, die Nasionale Orde van die Kremetart (Silwer) en die Wes-Kaapse Orde van die Disa bekroon.

Sy diensbaarheid, doelgerigte leierskap, onbesproke integriteit en strewe na geregtigheid maak dr Franklin Sonn die toonbeeld van betrokke burgerskap. Die Universiteit Stellenbosch vereer hom as navolgenswaardige voorbeeld vir elke Matiestudent.

THE DEGREE OF DOCTOR OF PHILOSOPHY (PhD), HONORIS CAUSA,

to Franklin Abraham Sonn

for his role in transforming education and training, his international contribution as image-builder for the country, his efforts as principled businessman and selfless community leader, and his engaged citizenship that helped steer the South African society towards justice for all.

Dr Franklin Sonn has excelled as influential opinion shaper against apartheid, educationist, businessman and public leader, thereby guiding the South African society onto a new path.

As educator and seeker of justice, this son of the Karoo started achieving recognition as a leader in education associations and unions early on, speaking out strongly against segregated education and the apartheid system. This made Sonn the obvious choice to help transform education when democracy dawned, and the late former president Nelson Mandela appointed him as chair of the National Education and Training Forum. Outside education, he served as SABC board member and vice-chair of the Urban Foundation. In 1995, this patriot became the country's first black ambassador to America, an office he occupied with dignity and integrity.

Back home, Sonn again took centre stage in business and community affairs, inter alia as president of the *Afrikaanse Handelsinstituut* (AHI) and vice-president of the South African Chamber of Commerce and Industry. In 2004, former president Thabo Mbeki appointed him to the Remuneration Commission of Public Office Bearers. The eternal educator, he also served as chancellor of the University of the Free State from 2002 to 2009. Apart from holding five directorships, he now serves as, amongst others, trustee of the Desmond Tutu Peace Trust and of the Worldwide Fund for Nature (WWF), president of the Foundation for Community Work, and patron of the Klein Karoo National Arts Festival. His outstanding role in diverse fields has earned him 12 honorary doctorates, the National Order of the Baobab (Silver) and the Western Cape Order of the Disa.

His readiness to serve, purposeful leadership, impeccable integrity and search for justice make Dr Franklin Sonn the epitome of engaged citizenship. Stellenbosch University honours him as an example worthy of emulation by every Matie student.

DIE GRAAD DOKTOR IN DIE HANDELSWETENSKAPPE (DCom), HONORIS CAUSA,

aan Johan van Zyl

vir sy leierskap om honderdduisende aandeelhouders se beleggings op 'n volhoubare groeipad te plaas, vir sy sosiale verantwoordelikheid om die laerinkomstemark by die formele ekonomie te betrek, en vir sy visie om die weg vir die land se eerste volwaardige swart finansiële dienste maatskappy te baan.

As Sanlam-groepbestuurshoof het dr Johan van Zyl 'n verstommende korporatiewe ommekeer bewerkstellig. Terselfdertyd het hy egter ook sorg aan die dag gelê om in die ontlukende Afrikamark se behoeftes te voorsien deur die maatskappy in 'n sosiaal verantwoordelike, gediversifiseerde finansiële dienste groep met 'n Afrikavoetspoor oor 34 lande te omskep.

Nadat hy op 40 reeds rektor van die Universiteit van Pretoria was, sluit dié gevierde akademikus, voormalige professor aan Michigan-staatsuniversiteit en Wêreldbank-konsultant hom in 'n besonder uitdagende tyd in 2003 by Sanlam aan. Van Zyl neem 'n maatskappy op 'n rekordlaagtepunt en begin bou. Teen sy aftrede in 2015 het die Sanlam-aandeelprys van R6 tot meer as R70 per aandeel, en die markwaarde van die maatskappy van R14 miljard tot R170 miljard gegroei.

Dit vermag hy met weldeurdagte en visionêre besluite, soos om Sanlam se Absa-aandeel aan Barclays PLC te verkoop om sy groeistrategie in werking te stel. Met sy verkryging van African Life reik hy uit na die laerinkomstemark en betree ook die res van Afrika as 'n kerndeel van sy groeistrategie op die vasteland. Sy swart-ekonomiesebemagtigingstransaksie met Ubuntu-Botho baan die weg vir die stigting van die land se eerste volwaardige swart finansiële dienste maatskappy, African Rainbow Capital, 'n verdere werktuig om die ontlukende Afrikamark by die formele ekonomie te betrek.

Die US vereer dr Johan van Zyl as 'n vaandeldraer vir sake met 'n sosiale gewete. Met uitstaande korporatiewe leierskap het hy vuisvoos beleggers weer moed gegee, en help bou hy onverpoosd aan 'n meer inklusiewe ekonomie vir die land én vasteland.

THE DEGREE OF DOCTOR OF COMMERCE (DCom), HONORIS CAUSA,

to Johan van Zyl

for his leadership in putting hundreds of thousands of shareholders' investments on a sustainable growth path, for his social responsibility in including the lower-income market in the formal economy, and for his vision in paving the way for the country's first fully fledged black financial services company.

As Sanlam group chief executive, Dr Johan van Zyl achieved a miraculous corporate turnaround. At the same time, however, he also made certain that the needs of the emerging African market are provided for, turning the company into a socially responsible, diversified financial services group with an African footprint extending across 34 countries.

After becoming rector of the University of Pretoria at the early age of 40, this esteemed academic, former professor at Michigan State University and World Bank consultant joined Sanlam in 2003 at a particularly challenging time. Van Zyl took a company at a record low and started building. When he retired in 2015, the Sanlam share price had grown from R6 to more than R70 per share, and the company's market value from R14 billion to R170 billion.

This he achieved by taking well-considered and visionary decisions, such as selling Sanlam's Absa share to Barclays PLC to implement his growth strategy. By acquiring African Life, he reached out to the lower-income market and also ventured onto the rest of the continent as a key part of his African growth strategy. His smart black economic empowerment transaction with Ubuntu-Botho paved the way for the establishment of the country's first fully fledged black financial services company, African Rainbow Capital, another vehicle aimed at including the emerging African market in the formal economy.

SU honours Dr Johan van Zyl as a standard bearer for business with a social conscience. With outstanding corporate leadership he again gave hope to battered investors, and unceasingly continues to contribute to a more inclusive economy for the country and the continent.