PROGRAMME FOR THE SECOND CEREMONY
THE FACULTIES OF THEOLOGY AND ENGINEERING

To help ensure that the proceedings run their course without disruption, 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.
5. Presentation of candidates receiving qualifications by the deans of the respective faculties and conferment of qualifications by the Vice-Chancellor.
6. Closing by the Vice-Chancellor.
7. The academic procession leaves the stage.

Those present are requested to remain standing until the entire academic procession has left the hall.
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 ABAFUMANANE IZINGQINI-MFUNDO
Indings, diplomas kunye nesertifikate zobucifani abangakwazanga ukubakho ubuqu kumbatho wathweswa bathweswa bengkelo benjalo.

DOKTORSGRADE DOCTORATES EZOBUGQIRHA

Fakulteit Teologie
Faculty of Theology

CHEN, Hu-Chun (New Testament)
The law and the gentiles in Acts 15: divine authority between the Scriptures of Israel and Jesus on the law
Two characteristic elements of the Jesus movement, as portrayed in Luke-Acts, are identified through the analysis of and comparison between the apostolic speeches in Acts 15 and the portrayal of Jesus’ view of the law in the Gospel of Luke. Intertextual analysis shows the importance of internal disposition rather than external mechanisms in the relationship to God as well as the close association between calling upon the name of Jesus and the forgiveness of sins. These two elements characterise the Jesus movement as a continuation of the history of the people of God as contained in the Scriptures.

Supervisor: Prof J Punt

DANIEL, Nicodemus Pele (Practical Theology)
Preaching reconciliation: a study of the narratives in Genesis 37–50
This dissertation evaluates the narratives of Genesis 37–50 as a means of promoting reconciliation and social cohesion in the context of the Middle Belt Region of Nigeria. The candidate argues that the narratives of Joseph and his brothers in Genesis 37–50, may be used to preach reconciliation, in the light of the fact that these narratives portray transformations of thoughts and actions, towards a forgiveness that includes confession of evil done in the past. In fact the Joseph narratives aim to build a common future on the foundation of reconciliation, which is also the challenge facing Nigeria at present.

Supervisor: Prof JH Cilliers

Co-Supervisor: Prof LJM Claassens

DIDIER, Kasongo Wa Kumutombo (Practical Theology)
Conflict resolution for sustainable development in the Democratic Republic of Congo: a practical theological perspective
Conflict and development are interconnected and, in the case of the DRC, the level of the country’s poverty may find its explanation in its long history of conflicts. This dissertation focuses on the role of the church in conflict resolution and its efforts to promote sustainable development from a theological perspective. The study, therefore, explores the history of the DRC and that of the Great Lakes Region in order to understand the Congolese crisis, as well as the theological concept of shalom in order to reflect on the church’s role in conflict resolution and sustainable development.

Supervisor: Dr NF Bowers Du Toit

JACOBS, Solomon Martinus (New Testament)
Lukan prophetic discourse and social conflict in early Roman Palestine
Socio-scientific investigation of the influence of Roman imperialism on social conflict traced ideological contrasts between the elite and non-elite in early Roman Palestine in selected pericopes of Luke’s prophetic discourse. Lukan discourse indicted Roman patronage, extractive economic policies, the use of the Temple for religious and cultural legitimisation, and the neglect of covenantal theology in the public sphere, while emphasising Abrahamic covenantal kinship as a theological basis for social cohesion. Concurrent social patterns included positive reciprocity, table fellowship and messianic servanthood. These patterns acted as mechanisms to establish contrast communities that embodied an alternative vision of society.

Supervisor: Prof J Punt

Co-supervisor: Prof MJ Nel

MEKONNEN, Endale Sebsebe (New Testament)
The Torah and community formation: a comparative study of Matt 22:34–40 and Rom 13:8–14
Romans 13:8–4 and Matthew 22:34–40 present the commandments of the Law in the name of love to shape believers’ perceptible identity. To love God or the neighbour means ultimately to obey the commandments of the Law. The commandments of the Law are actually practiced in the name of love, for love is avoiding evil and doing good as prescribed in the commandments. The Gospel of Matthew is not an anti-Pauline text; rather these texts conveys regarding important aspects of the Law, while diverging in relation to the texts’ specific genres and concerns.

Supervisor: Prof J Punt

Co-supervisor: Prof MJ Nel
This dissertation argues that the book Lamentations can serve as a resource for hope. Literary features point to the central part of the book where the concepts hesed (compassion) of God occur, as the basis for having hope. The study reveals that the hesed and rahamin of God are social, active and temporal. In an analogical reading, this study brings the Jewish context of suffering into dialogue with the Zimbabwean context, offering lasting hope, healing and dignity to victims of the atrocities committed in the so-called Gukurahundi and Murambatsvina.

Supervisor: Prof LC Jonker
Co-supervisor: Dr LD Hansen

MOON, Sewon (New Testament)
Pilgrimage as singing and walking in the way of the law of Christ? Interpreting “dying to the law” in Gal. 2:19

Ancient Jewish pilgrimage serves as the social-historical context and heuristic model for interpreting an elusive text in Paul’s autobiographical narrative. “Dying to the law, living by faith” functioned within Galatians’ antithetical structure of worldly empire and divine kingdom, and resultant pressures to conform. As the present Jerusalem was not the mother city (pilgrimage centre) for Jesus’s followers, and first-century Jewish law should not be equated with the law of God, Galatian believers who were delivered from the existing and empire were expected to make a pilgrimage to God’s presence in the heavenly Jerusalem, following past examples: Abraham, Paul and, in particular, Jesus Christ.

Supervisor: Prof MD Punt

MURIWO, Golden (Old Testament)
The hesed and rahamin of God as resources of hope in contexts of individual and communal loss: a multi-dimensional reading of Lamentations

This dissertation argues that the book Lamentations can serve as a resource for hope. Literary features point to the central part of the book where the concepts hesed (compassion) of God occur, as the basis for having hope. The study reveals that the hesed and rahamin of God are social, active and temporal. In an analogical reading, this study brings the Jewish context of suffering into dialogue with the Zimbabwean context, offering lasting hope, healing and dignity to victims of the atrocities committed in the so-called Gukurahundi, Murambatsvina and Handa yeminda.

Supervisor: Prof MD Punt

NOETH, Carike (Systematic Theology)
Not justice, but care? An analysis of contemporary ethical theories in light of the law commandment

During recent decades, ethical theories of care and of justice, respectively, became influential in scholarship and public opinion. Their relevance for both personal development and the formation of democratic culture is widely acknowledged. Sometimes construed as in opposition to one another, they are more often seen as integrated and mutually enriching. The work of two influential feminist ethicists, representing these two discourses, is studied from the perspective of Christian theological ethics. The love commandment, generally regarded as central to theological ethics, is taken as lens through which to consider whether and how theological ethics can benefit from these contemporary theories.

Supervisor: Prof DJ Smit

PHIRI, Jackson (New Testament)
Church and culture? Exploring the reception of women’s ministry in the Reformed Church in Zambia in view of 1 Corinthians 14:26–40

The Reformed Church in Zambia was established in 1899, but only allowed women to serve in its official ministries since 2000. The study explores the general reception of this decision in view of the RCCZ’s understanding of 1 Corinthians 14 (on the silencing of women). It argues that the challenge is not only reading the Bible in socio-cultural context but also accounting for the contexts within which it is read today. In the end, it invites the church to interpret 1 Corinthians prophetically amidst centuries old cultural traditions that favoured male leadership, since the text is all about edifying the body of Christ.

Supervisor: Prof AJJ Mouton

SHAANIKI, Elakim (Systematic Theology)
A historical study of reconciliation as a challenge to the Evangelical Lutheran Church in Namibia (ELCIN) 1970-2010

The candidate traces the history of ELCIN from the early period of the arrival of Finnish missionaries, through the German colonial period and the South African apartheid saga, and via the struggle for independence and the establishment of the liberated Namibia, to deal with the unfinished agenda of reconciliation and unity in the present day. Focusing on the period 1970 to 2010, he deals with the idea and concept of reconciliation in the religious backgrounds on which his church rests, namely the Jewish and Christian Scriptures, the ELCIN’s engagement with reconciliation throughout its history, and the implications of a ministry of reconciliation in the post-independence era. The premise of the candidate is that cognisance should be taken of the African understanding of reconciliation in the discourse about national reconciliation.

Supervisor: Prof MA Plaatjies-van Huffel

WERAN, Aida Nasser Weran Kalo (Missiology)
Ethno-religious conflict and ‘people-to-people’ dialogue in Sudan
A theological evaluation of the Sudan Presbyterian Evangelical Church’s mission of reconciliation

This dissertation evaluates the participation and contribution of the Sudan Presbyterian Evangelical Church (SPEC) to processes of peace and reconciliation in Sudan. Leaders and members of SPEC mediated the relationship between peace and reconciliation by participating in conversations and ‘people-to-people’ dialogues of faith-based and social organisations. The candidate argues and demonstrates that SPEC
created opportunities which have enabled participants to redefine identities, positions and roles in relation to other stakeholders. This empirical theological research contributes to theory and practice of “people-to-people” dialogues as proposed in an emerging framework and model of peace-making and reconciliation in intercultural theology and missiology.

Supervisor: Prof DX Simon

ZACHARIAH, Bulu Takore (Old Testament)

Sin of the fathers upon the children to the third and fourth generation: an appraisal of Exodus 20:5 and Deuteronomy 5:9 in relation to an African theological understanding of original sin

Although the second commandment of the Decalogue in Exodus 20 and Deuteronomy 5 prohibits idolatry, it also raises the issue of the “sin of the fathers” that impacts on the children up to the third and fourth generation. In view of Jeremiah 31 and Ezekiel 18 the candidate argues for the co-existence of corporate and individual responsibility and thus critiques the conventional understanding that corporate responsibility was substituted by individual responsibility. This proposal has important implications for faith communities in Africa where ancestors or “fathers” are usually seen as benevolent and not as the source for the transgenerational transmission of sin.

Supervisor: Prof HL Bosman

Fakulteit Ingenieurswese
Faculty of Engineering

IFakhalthi yezobuNjineli

PhD

BERRY, Tarl Michael (Mechanical Engineering)

Optimisation of multiscale ventilated package design for next-generation cold chain strategies of horticultural produce

This dissertation applied a multi-parameter and multi-scale approach to develop improved designs and guidelines for fresh produce packaging systems. Specifically, the potential implementation of alternative vent hole designs that improve performance in the cold chain was investigated. Furthermore, a computational fluid dynamics model was proposed to characterise moisture content values and distributions in stacked cartons during refrigerated shipping conditions. This model will facilitate enhanced carton mechanical strength testing protocols in the future. Lastly, the challenge of loading refrigerated freight containers was considered and an improved packaging design system for fresh produce export was proposed.

Supervisor: Dr C Coetzee
Co-supervisor: Prof UL Opara

GOODENOUGH, John Lloyd (Mechanical Engineering)

The effects of paint-based protective films on the actual temporal wetside performance characteristics of steam surface condenser tubes

Paint-based protective films (PFFs) are applied to the internal surface of steam surface condenser tubes to mitigate corrosion and erosion, thereby extending condenser life. The candidate has designed, built and
operated a portable test facility at a power plant, to experimentally measure the fouling performance characteristics of these films. Tests were performed over 185 days on several tube alloys with and without PPFs. This work has led to a better understanding of the temporal fouling behaviour of PPFs and the significant negative impact of bio-fouling on electric power output. Implementation of the findings measurably reduces negative environmental impact.

Supervisor: Prof HCR Reuter
Co-supervisor: Dr MTF Owen

HELLER, Lukas Jurin (Mechanical Engineering)

Development of a dual-pressure air receiver system for the SUNDISC cycle

Combined cycle concentrating solar power plants with solarised gas turbines have the potential to generate dispatchable electricity at a high efficiency. The SUNDISC cycle has been proposed to overcome short-comings by adding an additional, non-pressurised air receiver that directly charges the storage. In this dissertation, the techno-economic performance of a SUNDISC cycle plant was shown. Additionally, the feasibility of a hybrid pressured/non-pressured air receiver system was investigated for the cycle. The basic concept was shown to not satisfy the demand in terms of efficiency and outlet temperature. However, proposed enhancements are expected to improve the concept’s performance.

Supervisor: Dr JE Hoffmann

ISINGIZWE NTURAMBIRWE, Jean Frederic (Electronics Engineering)

Advances in spectral techniques for fruit quality evaluation: case of ULF-NMR and NIR

Low-cost, user-friendly devices for non-destructive quality testing are an increasing attraction for the food and agro-industry. Many criteria dictate that developmental trends place emphasis on developing dedicated calibrations in addition to hardware and software designs. Perceived as the most influential spectroscopies, SQUID-NMR, relaxometry and FT-NIR were investigated for advanced, more effective methods in horticultural applications. Single- and multi-component longitudinal NMR relaxometry were found to be an effective non-destructive tool at SQUID-detected micro-Tesla fields. A framework that alleviated NIR calibration transfer issues was provided. Genetic algorithm optimisation techniques revealed new fruit-cultivar-related dependencies and enhanced prediction performance.

Supervisor: Prof Wy Parford
Co-supervisor: Prof Ul Opara

KATZ, Bernard Rael (Industrial Engineering)

Alignment of internal and external business and innovation domains

At the heart of this dissertation lies the idea that change is the new competitive advantage, innovation is the pinnacle of change, strategy is required to optimise innovation and alignment drives the successful implementation of strategy. Instead of being really good at doing some particular things, companies must be really good at learning how to do new things. In recent times the role and importance of an innovation strategy has come to the fore. This study introduces an innovation strategy alignment model (ISAM) which focuses on the alignment of a company’s innovation and business domains.

Supervisor: Prof N du Preez
Co-supervisor: Dr L Louw

LANDMAN, Willem Adolph (Mechanical Engineering)

Optical performance of the reflective surface profiles of a heliostat

Micro gas turbine central receiver systems offer advantages which could improve the techno-economic viability of the next generation of concentrating solar power plants. This dissertation investigates the optimal optical configurations of this relatively young technology. A fundamental study of heliostat optics identifies principal optical components and develops methods to more accurately and efficiently describe the flux distribution of a heliostat beam. The methods are applied in a techno-economic sensitivity study which indicates that the technology has alternative parameter sensitivities to conventional systems. The collective findings suggest that small heliostats offer a significant optical performance advantage which may lead to a lower levelised cost of energy.

Supervisor: Prof F Denton
Co-supervisor: Dr P Gauthier

LAUBSCHER, Ryno (Mechanical Engineering)

Utilisation of artificial neural networks to resolve chemical kinetics in turbulent fine structures of an advanced CFD combustion model

The research entailed the development and testing of a novel chemical kinetics integrator which uses artificial neural networks to predict incremental species mass fraction changes occurring in the turbulent fine structures of a flame. The goal was to reduce the computational resources required to solve advance gas phase turbulent combustion numerical flow simulations. A novel neural network predictive model is developed, implemented and tested on a well published experimental setup, of a fully turbulent piloted jet diffusion flame of methane and air. The novel technique generated results with comparable accuracy to the experimental measurements at a significant computational cost reduction of 250–600%.

Supervisor: Dr JE Hoffmann

LINDNER, Berndt Gerald (Industrial Engineering)

Bi-objective generator maintenance scheduling for a national power utility

The generator maintenance scheduling (GMS) problem involves finding a schedule according to which planned maintenance can be performed on the generating units of a power system. A novel bi-objective optimisation model is proposed in this study for the GMS problem in which trade-offs are pursued between the maximisation of demand satisfaction reliability and the minimisation of electricity production cost. The model is solved by dominance-based bi-objective simulated annealing. A sensitivity analysis is performed in respect of various model constraint relaxations and the degree of constraint violations. The model and solution methodology is finally implemented in a user-friendly computerised decision support system so as to render the GMS solution approach easily accessible to non-mathematically inclined decision makers.

Supervisor: Prof JH van Vuuren
Solar receivers such as the spiky central receiver air pre-heater (SCRAP) are important components of combined cycle concentrating solar power plants which provide the ability to deliver electrical power on demand through built-in thermal energy storage. The potential of the novel SCRAP technology was evaluated by developing analytical and computational models to enable performance prediction. The computer models were validated against results from an experimental test setup developed and built for this purpose. The SCRAP receiver was shown to equal or exceed current technologies in terms of solar-thermal efficiency as well as the system pressure drop across it.

**Performance characteristics of the spiky central receiver air pre-heater (SCRAP)**

*Muchuka, Niasse Magou (Electronic Engineering)*

**Hardware description language modelling and synthesis of superconducting digital circuits**

Superconducting digital circuit design and synthesis tools lack the maturity of semiconductor counterparts. In this work, hardware description language (HDL) models were developed for rapid single flux quantum (SFQ) and adiabatic quantum flux parametron (AQFP) circuit families. Bias voltage-dependent timing delays of gates were extracted, and mathematical models developed to include these delays in HDL models. A synthesis technique was proposed to create SFQ circuits from HDL descriptions and demonstrated on adder circuits with width up to 64 bits. This work makes it easier for logic circuit designers with little or no experience of superconducting electronics to design such circuits.

*Munro, Dirk Pieter (Mechanical Engineering)*

**A direct approach to structural topology optimisation**

Topology optimisation is a mathematical method devised to calculate the optimal material distribution for a predefined design scenario. The ‘direct approach’ is developed in a conventional structural optimisation framework, based on traditional sequential convex programming techniques. However, unlike conventional methods, the problem is solved in such a way that equilibrium is only satisfied at convergence of the optimisation procedure. This decoupling permits displacements and strains in regions of void material to take on arbitrary values, thereby circumventing the infamous stress singularity problem. The computational burden associated with the sensitivity analysis of local state-based constraints reduces to manipulating simple partial derivatives.

*Munro, Dirk Pieter (Mechanical Engineering)*

**Performance characteristics of the spiky central receiver air pre-heater (SCRAP)**

*Lubkoll, Matti (Mechanical Engineering)*

Performance characteristics of the spiky central receiver air pre-heater (SCRAP) are important components of combined cycle concentrating solar power plants which provide the ability to deliver electrical power on demand through built-in thermal energy storage. The potential of the novel SCRAP technology was evaluated by developing analytical and computational models to enable performance prediction. The computer models were validated against results from an experimental test setup developed and built for this purpose. The SCRAP receiver was shown to equal or exceed current technologies in terms of solar-thermal efficiency as well as the system pressure drop across it.

**Performance characteristics of the spiky central receiver air pre-heater (SCRAP)**

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**A direct approach to structural topology optimisation**

*Taubol, John Terrence Loti (Mechanical Engineering)*

A multi-objective optimisation tool for the Malawian tea industry with sustainability considerations

*Sheikh, Sajid Mubashir (Electrical Engineering)*

**Scheduling strategies to improve quality of service for heterogeneous data over resource-constrained wireless mesh networks**

Multi-hop wireless mesh networks (WMNs) experience poor quality of service (QoS) in terms of high data packet losses under the MAC layer strategy carrier sense multiple access with collision avoidance. QoS is improved through a novel schedule-before-contention (SBC) approach. Their performance in hybrid and homogeneous networks is investigated via extensive simulation techniques developed. A novel analytical model for predicting end-to-end delay for SBC strategies in multi-hop networks was also developed to verify the simulated network performance. This work provides guidelines and scheduling strategies for resource-constrained WMNs carrying heterogeneous traffic, which are particularly important for resource-limited remote distributed networks.

**Scheduling strategies to improve quality of service for heterogeneous data over resource-constrained wireless mesh networks**

*Schonken, Willem Petrus Francois (Electronic Engineering)*

Characterising the electromagnetic environment of MeerKAT

*PHIRI, Temwani Joshua (Electronic Engineering)*

MeerKAT, the 64-dish Square Kilometer Array (SKA) precursor radio telescope, is currently under construction in the Karoo. As a new generation instrument, it is far more susceptible to radio frequency interference (RFI) than its predecessors. Reliable electromagnetic propagation modelling tools are required to fully characterise the environment. Existing tools were developed years ago for other applications (e.g. TV transmission). This work has carefully evaluated the existing propagation standards, using measured data from the Karoo site. New work using computational electromagnetics has allowed detailed simulation of the MeerKAT core. One of the important results is that the traditional free-space loss approximation for short range propagation is frequently unreliable here.

**Characterising the electromagnetic environment of MeerKAT**

*Temwani Joshua (Electronic Engineering)*

**Supervisor:** Prof TB von Backersten

**Co-supervisor:** Prof TM Harms

**Supervisor:** Prof C Fourie

**Supervisor:** Prof P van der Merwe

**Supervisor:** Prof HA Engelbrecht

**Co-supervisor:** Dr R Wolhuter

**Supervisor:** Prof A Groenwold

**Co-supervisor:** Dr PG Wiid

**Supervisor:** Dr JB de Swardt

**Supervisor:** Dr P van der Merwe

**Supervisor:** Dr R Wolhuter

**A multi-objective optimisation tool for the Malawian tea industry with sustainability considerations**

**Corporate social responsibility is fast becoming imperative for corporate governance in industry and business worldwide and is assuming an increasing role in the general discourse on globalisation and sustainable development. The major challenge, however, is that there are...**

**A multi-objective optimisation tool for the Malawian tea industry with sustainability considerations**

**Taulo, John Terrence Loti (Mechanical Engineering)**
currently no standardised modalities by which it should be achieved nor a yardstick by which compliance can be graded. A tool to support this objective has been proposed, designed and empirically tested on a case study of three tea companies in Malawi. The results obtained show that the tool is a viable alternative to solve multi-objective optimisation problems in the tea industry.

Supervisor: Prof B Sebitosi
Co-supervisor: Prof A Groenwold

UHEIDA, Emad Harari (Industrial Engineering)

Development and optimisation of incremental sheet forming of titanium grade 2 – process mapping

Characteristics of titanium alloys make it possible to reduce the application’s structural weight and increase its performance with thin-wall designs. Incremental sheet forming allows efficient manufacturing of small part batches. By abandoning the shape memory degree of the forming tool and by realising the component geometry using suitable tool kinematics, significant cost reductions can be achieved. In this study, the region of the incremental sheet forming process-variable space, where successful forming of the grade 2 titanium can be anticipated, is identified throughout a process-mapping approach. The established map will enable the development of resource efficient forming process-chains for titanium sheets.

Supervisor: Dr T Oosthuizen
Co-supervisor: Prof D Dimitrov

DEng
PEROLD, William Jacobus (Electronic Engineering)

Superconducting devices and nanosensors

This dissertation is a narrative of a research career spanning 34 years. Initially the focus was on software for high-voltage and microwave diode design. The focus shifted to high-speed superconducting devices and during a sabbatical at UC Berkeley superconducting circuits were developed and tested at 18 GHz, still the fastest voltage-state circuits on the planet. A device fabrication laboratory was established at Stellenbosch, where innovative Josephson junction fabrication techniques, such as laser-stitching and AFM scratching were developed. Current research is focused on the development of nanotechnology point-of-care biosensors for rapid detection of bacterial and viral infections, such as TB and HIV.

Supervisor: Prof P Meyer

ANDER Kwalifikasies     Other Qualifications     Ezinye Izinqini-Mfundo

Fakulteit Teologie
Faculty of Theology

Ilfakhalthi yezeNkolo

BACCALAUREUS IN DIE TEOLOGIE (BTh)
BACHELOR OF THEOLOGY (BTh)
BARRY, Chante Chelsea
ESTERHUZEN, Vemar Hugo
JOKA, Thando
KIM, Jean-Ora
MATHBULA, Sindiswa Andiswa Prudence
PRESENT, Prudence Meloane

BACCALAUREUS DIVINITATIS (BDiv)
BACHELOR OF DIVINITY (BDiv)
BLOKO, Zulile
MANABLE, Madinetsa Nelson

NAGRAADSE DIPLOMA IN TEOLOGIE CUM LAUDE (NGDip (Theologie))
POSTGRADUATE DIPLOMA IN THEOLOGY CUM LAUDE (PGDip (Theol))

DAVIS, Marny Matilda (Praktiese Teologie)
ARYEYI, Alfred (Praktiese Teologie)
BEZUIDENHOUT, Johannes Martynus (Praktiese Teologie: Bedieningspraktyk)
BOOI, Michellle Ross (Praktiese Teologie)
BOTH, Banca (Elkiesisologie)
CHLONGOZI, Phinesi (Praktiese Teologie)
DIPPENAAR, Elaine (Ou Testament)
DUMBONG, John Nancaw (Missiologie)
HONEY, Nel (Praktiese Teologie: Bedieningspraktyk)
JANG, Yun-Jin, Johannes Isabella (Praktiese Teologie: Kinesie Pastoraat)
KOORDOM, Donovan (Ou Testament)
LEE, Shu-Hyo (Praktiese Teologie)
MENTOR, Henry Raymond (Praktiese Teologie: Bedieningspraktyk)
THABEDE, Sindile Brilliant (Ou Testament)
VAN WYK, Atsie (Praktiese Teologie)
ZELLE, Stefan (Praktiese Teologie: Bedieningspraktyk)

NAGRAADSE DIPLOMA IN TEOLOGIE (NGDip (Theologie))
BACHELOR OF THEOLOGY (BTh)
BARON, Robi
DAVID, Tawanda Chatsa
MKIKE, Sandile
SEPTEMBER, Banca
SEWAPA, Tebogo Melate
TITUS, Helton Jones
MAGISTER IN DIE TEOLOGIE CUM LAUDE
(MTh CUM LAUDE)
MASTER OF THEOLOGY CUM LAUDE
(MTh CUM LAUDE)
HENDRIKS, Nathanael (Praktiese Teologie)
KOOSA, Thomas (Praktiese Teologie: Bedieningspraktyk)
KMP, Kgojogkgela (Sistematiese Teologie)
KOOS, Bernhard (Ou Testament)
PRETORIUS, Richard Matthew (Sistematiese Teologie)
RUARK, Joel David (Ou Testament)
STOM, J. N. (Praktiese Teologie)
THEON, Martina Cronjé (Praktiese Teologie: Bedieningspraktyk)

MAGISTER DIVINITATIS CUM LAUDE
(MDiv CUM LAUDE)
MASTER OF DIVINITY CUM LAUDE (MDiv CUM LAUDE)
BESTER, Lourens Christoph (Kerklike Bediening)
AGENBAG, Gert Andries (Bedryfsingenieurswese)
BADENHORST, Ivan Petrus (Bedryfsingenieurswese)
BAILIE, Malcolm Theodore (Chemies)
BAMPORIKI, Toussaint (Bedryfsingenieurswese)
BARNARD, Johannes Jacobus (Bedryfsingenieurswese)
BASSON, Lourens Johannes Smith (Siviel)
BEHNKEN, Cato F. (Bedryfsingenieurswese)
BEZUIDENHOUT, Leri (Bedryfsingenieurswese)
BOOYENS, Ayan (Megatronies)
BOTHA, Ruan Theron (Bedryfsingenieurswese)
BUTHELEZI, Nokhongosha Patience (Siviel)
CHIWAWA, Maxwell (Chemies)
COETZEE, Rossway Ernst (Siviel)
COETZEE, Willem Petrus (Elektries en Elektronies)
COUSIN, Nicholas Trevor Gerhard (Megatronies)
DBIESSENS, Abdallah (Siviel)
DARRICK, Douglas Michael (Megatronies)
DE JAGER, Dirk Jacobus Adriam (Siviel)
DE JAGER, Jacques (Bedryfsingenieurswese)
DE MILLIERS, Barend Fredrik (Bedryfsingenieurswese)
DE MILLIERS, Stevinus Theos (Elektries en Elektronies)
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GRAY, Christopher Patrick (Megatronies)
HENNING, Miekie (Bedryfsingenieurswese)
JAN, Miekie Ahmad (Megatronies)
JANOODIEN, Zaid (Siviel)
KAGELER, Peter Graham (Megatronies)
KNOB, De Walter (Bedryfsingenieurswese)
KOOPMAN, Vincenzo (Siviel)
LAKE, Kathryn (Chemies)
LEE, Timothy Ray (Bedryfsingenieurswese)
LLOYD, Alexander Michael (Megatronies)
MALINDI, Portia Thabang (Megatronies)
MALLO, Ian Martin (Chemies)
MASHANGANYI, Musa Nkosilahla (Megatronies)
MENEZIES, Ryan Grant (Megatronies)
MOHALI, W theno Sero (Megatronies)
MOYCE, Shane Alexander (Elektries en Elektronies)
MYNARDET, Marcella (Chemies)
MYNARDET, Tresila Marie (Bedryfsingenieurswese)
NEL, Christoff Pascal (Megatronies)
NELL, Andrew Steven (Megatronies)
NYATHI, Welome (Elektries en Elektronies)
OBERMANN, Johannes Francois (Bedryfsingenieurswese)
OLIVER, Anro Milan (Megatronies)
PETERSON, Bjorn Sven (Bedryfsingenieurswese)
PICKARD, Johan Louis (Chemies)
RIPUNDA, Cheroline (Elektries en Elektronies)
RIST, Inge Monique (Chemies)
ROHDEBECK, Alitra (Siviel)
ROLIN, Peter Gerhardus (Megatronies)
SAAL, Luip Anre (Siviel)
SALMON, Shawn Richard (Elektries en Elektronies)
SCHOLLE, Paulo (Bedryfsingenieurswese)
SCHWARTZ, Michael (Megatronies)
SITJOLA, Thabakane Bosingi (Siviel)
SMITH, Hermanus (Siviel)
STEYN, Andre Joshua (Megatronies)
STOPBERG, Jacob du Toit (Megatronies)
TAJAFARD, Jacques (Bedryfsingenieurswese)
TEIXERA, Antonio Juc-Luc (Megatronies)
TESTA, Matti (Bedryfsingenieurswese)
THERON, Johannes Petrus (Siviel)
THERON, Pieter Francois (Bedryfsingenieurswese)
THOMSON, Danu Niel (Siviel)
TAUAFERE, Rogius (Siviel)
VAN AS, George Christian (Bedryfsingenieurswese)
VAN ASWEGEN, Laurens Andreas Stephanus (Megatronies)
VAN DER MERWE, Nicolaas Moring (Megatronies)
VAN EEDEN, Christo (Megatronies)
VAN EEDEN, Reinier Marcel (Megatronies)
VAN HEERDEN, Henke (Bedryfsingenieurswese)
VAN JAKES, Jaco (Bedryfsingenieurswese)
VAN NEKERK, Jocunde (Megatronies)
VAN ZANTEN, Awain Johan (Bedryfsingenieurswese)
VERSfeld, Ryno (Megatronies)
VERSTER, Jan (Siviel)
WALSH, Gerard Louis (Megatronies)
WALTER, Marco (Megatronies)
WEBBER, Kate (Bedryfsingenieurswese)
WILKENS, Jan (Bedryfsingenieurswese)
WOLFAARDT, Johannes Cornelius (Bedryfsingenieurswese)
BACCALAUREUS IN DIE INGENIEURSWESE CUM LAUDE (BEng CUM LAUDE)

BACHELOR OF ENGINEERING CUM LAUDE (BEng CUM LAUDE)

NEL, Gerrit Stephanus (Bedryfsingenieurswees)

NAGRAADSE DIPLOMA IN INGENIEURSBESTUUR (NGDip (Ingbest))

POSTGRADUATE DIPLOMA IN ENGINEERING MANAGEMENT (PGDip (Eng Management))

FAKIER, Yeziob

NAGRAADSE DIPLOMA IN DIE INGENIEURSWESE (NGDip (Ingwese))

POSTGRADUATE DIPLOMA IN ENGINEERING (PGDip (Engineering))

LAGARDEN, Nazifah

SCHURER, Maximillian Juan

MAGISTER IN DIE INGENIEURSWESE (MIng)

MASTER OF ENGINEERING (MEng)

ASQUITH, Joshua Steven (Chemiese ingenieurswees)

BARRY, Reginald Murray (Meganiese Ingenieurswees)

BOCK, Heinrich (Chemiese Ingenieurswees)

BOTHA, Bettina Elizabeth (Siviele Ingenieurswees)

BRINK, Johan Christopher (Siviele Ingenieurswees)

BRINK, Michael Philippus (Bedryfsingenieurswees)

SMIT, Jason (Chemiese ingenieurswees)

DEELIE, Malcolm (Chemiese Ingenieurswees)

DEJULIS, Nicholas (Elektroniese ingenieurswees)

DEKOM, Tairawen (Siviele Ingenieurswees)

DOMBER, Charles Henry Ochse (Meganiese Ingenieurswees)

ESKING, Moses Joseph Kelvin (Siviele Ingenieurswees)

LOMBARD, Charles Henry Ochse (Meganiese Ingenieurswees)

MALINDA, Moses Joseph Kaelin (Siviele Ingenieurswees)

MANYLE, George (Siviele Ingenieurswees)

MAAKS, Jeannettea (Meganiese Ingenieurswees)

MARIE, Pasie (Chemiese Ingenieurswees)

MAYBERY, Vernon Gregory Coyle (Siviele Ingenieurswees)

MBUKANI, Mwena Wi Kaloa (Elektriese Ingenieurswees)

MDZINSO, Brian Mercedes M undo (Siviele Ingenieurswees)

MEST, Andre Jan (Elektriese Ingenieurswees)

MICALI, Nicola (Bedryfsingenieurswees)

MKHALAPI, Sandile Patrick (Elektriese Ingenieurswees)

MKULSI, Sivea Honseta (Siviele Ingenieurswees)

MULLER, Regardt Ignatus (Elektroniese Ingenieurswees)

MULLU, Christine A-Naw (Siviele Ingenieurswees)

NICKERSON, Brandon Mark (Meganiese Ingenieurswees)

NOLTE, Armand Louis (Meganiese Ingenieurswees)

OLISH, Aakash Dary (Siviele Ingenieurswees)

OLIVER, Zari Marri (Bedryfsingenieurswees)

FAMUR, Haroon (Siviele Ingenieurswees)

MAGERE, Taneha Marie (Meganiese Ingenieurswees)

RAATS, Wernich (Elektroniese Ingenieurswees)

ROKIT, Piet (Ingenieursbestuur)

SCHMITTINGER, Elka (Meganiese Ingenieurswees)

SCHOLTZ, Carl (Siviele Ingenieurswees)

SKLAR, Merv (Bedryfsingenieurswees)

SMIT, Francis Vissers (Meganiese Ingenieurswees)

SMITH, Jason (Chemiese ingenieurswees)

STUNKAMP, Lukaus Peters (Bedryfsingenieurswees)

STRAUSHEIM, Emil Albert (Bedryfsingenieurswees)

TAJJAARD, Hannig Jacques (Siviele Ingenieurswees)

TAWINE, James Francis (Siviele Ingenieurswees)

TREDOUX, Nichola (Siviele Ingenieurswees)

VAN DER MERWE, Carol Andries (Elektroniese Ingenieurswees)

VAN DER MERWE, Colette (Siviele Ingenieurswees)

VAN DER MERWE, Frans Hendrik (Siviele Ingenieurswees)

VAN DER MERWE, Jan (Bedryfsingenieurswees)

VAN DER MERWE, Frans (Siviele Ingenieurswees)

VAN DER MERWE, Frans Hendrik (Siviele Ingenieurswees)

VERNOOY, Carla (Ingenieursbestuur)

VIJGOED, Quentin (Siviele Ingenieurswees)

VISSER, Hermanus Johannes (Siviele Ingenieurswees)

WEISS, Heinrich (Elektroniese Ingenieurswees)

WILSON, Nathan (Bedryfsingenieurswees)

ZHENG, beloved Tsholondi (Siviele Ingenieurswees)

ZHUWAKI, Nigel Tatenda (Ingenieursbestuur)

MAGISTER IN DIE INGENIEURSWESE CUM LAUDE (MIng CUM LAUDE)

MASTER OF ENGINEERING CUM LAUDE (MEng CUM LAUDE)

ABRAHAMS, Taneha Maas (Meganiese Ingenieurswees)

ALBERTYN, Pierre Wouter (Elektriekwekhawe Metalurgiese Ingenieurswees)

AUCAMP, Herman (Siviele Ingenieurswees)

AZANKPO, Sevanin (Meganiese Ingenieurswees)

AZANKPO, Sevanin (Meganiese Ingenieurswees)

BESTER, Hermanus Lambertus (Siviele Ingenieurswees)

BOITH, Frederick Jacobus (Elektriese Ingenieurswees)

BOITH, Hendrik Jan (Elektriese Ingenieurswees)

BOITH, Hendrik Jan (Elektriese Ingenieurswees)
BOTHAN, Louis (Ingenieursbestuur)
BRONKHORST, Jr (Siviele Ingenieurswese)
BRUWER, Frederick Johannes (Elektroniese Ingenieurswese)
BURGER, Leon (Chemiese ingenieurswese)
CLOETE, Andrew Hector (Elektroniese Ingenieurswese)
CUPERUS, Jacobus Louwrens (Meganiese Ingenieurswese)
DALL, Ernst Peter (Meganiese Ingenieurswese)
DE BEER, Moutos (Elektriese Ingenieurswese)
DE BRUN, Andrew (Elektroniese Ingenieurswese)
DE WAAL, Rosca Johan Oscar (Meganiese Ingenieurswese)
DRENNAN, Michael Bryan (Siviele Ingenieurswese)
DU PLESSIS, Armand André (Elektriese Ingenieurswese)
ERASMUS, Abram Stephanus (Elektroniese Ingenieurswese)
FOURIE, Johannes (Siviele Ingenieurswese)
GELDENHUYS, Heinrich Jacques (Ingenieursbestuur)
GROBBELAAR, Ben (Meganiese Ingenieurswese)
HUGO, Giannoni Lambertus (Elektroniese Ingenieurswese)
INOPO, Pari Graziano (Elektroniese Ingenieurswese)
JOUBERT, Christiaan Johannes (Elektriese Ingenieurswese)
KRAJ, Ing Christiaan (Bedryfsingenieurswese)
LAMPRECHT, Johannes Hendrik (Chemiese ingenieurswese)
LATEGAN, Laci (Elektroniese Ingenieurswese)
LINGERSVELD, Deon (Bedryfingenieurswese)
LOTTER, Janseke (Bedryfingenieurswese)
LOUW, Joachim Paul (Siviele Ingenieurswese)
MALAN, Pieter Jacobus (Elektroniese Ingenieurswese)
MATTHEE, Alexander (Elektroniese Ingenieurswese)
MITCHELL, Joshua Cole (Elektroniese Ingenieurswese)
NEL, Christian Ludolphianus (Siviele Ingenieurswese)
OBRECHT, Pieter Wouter (Meganiese Ingenieurswese)
OBERHOLZER, Adelaide Emily (Elektroniese Ingenieurswese)
OOSTHUIZEN, Ann Cornelia (Bedryfingenieurswese)
OOSTHUIZEN, Cornelia (Ingenieursbestuur)
PETERS, Christian Dietrich (Meganiese Ingenieurswese)
POOLE, Ian Vincent (Meganiese Ingenieurswese)
GRIEBENOW, Margaretha Aletta (Siviele Ingenieurswese)
STELZNER, Samuel George Eric (Bedryfingenieurswese)
SWART, Benjamin David (Elektroniese Ingenieurswese)
SWART, Jareen (Chemiese ingenieurswese)
VAN JAARSVELD, Willem Johannes (Siviele Ingenieurswese)
VAN SCHALKWYK, Sarel (Meganiese Ingenieurswese)
VAN TONDER, Germain (Chemiese ingenieurswese)
VORSTER, Rianco (Siviele Ingenieurswese)

MAGISTER IN DIE NATUURWETENSKAPPE IN Ingenieursweze (MScEng)
MASTER OF SCIENCE IN ENGINEERING (MScEng)
LEBOTSA, Phalane Sekoa (Elektroniese Ingenieurswese)
VAN VELDEN, Wouter (Siviele Ingenieurswese)