

FACULTY OF ENGINEERING AND THE BUILT ENVIRONMENT

ACTING DEAN: PROFESSOR C MUSINGWINI BSc (Hons)(Eng) (UZ) MSc(Eng) (Wits) PhD (Wits) PrEng FSAIMM

Master of Architecture (Professional)

INGHAM, Arabella Kate (*with Distinction*) *School of Architecture and Planning*
Design Project: Saltwater Precinct: Adaptive reuse of dilapidated Crayfish Factory in Elands Bay, West Coast

MAKUYA, Ipfi *School of Architecture and Planning*
Design Project: Empowering Architecture: Disrupting the norm in Wynberg through entrepreneurship

MALULEKE, Kurhula Innocentia *School of Architecture and Planning*
Design Project: Harvesting Hope: Cultivating economic and social renewal through agriculture in Richmond, KZN

NEVHUNGONI, Phathutshedzo *School of Architecture and Planning*
Design Project: Mavu ɛm'ei'vi'ju/ [MA-VU] Meaning "Soil" in Tshivenda preserving, storing and sharing indigenous African knowledge through a site-specific building at the Lake Fundudzi basin

Master of Engineering (Professional)

DLULISA, Sinawo (*with Distinction*) *Electrical Engineering*

DUBE, Njabulo *Electrical Engineering*

MABOTJA, Makankele Khomotjo *Industrial Engineering*

MALEDI, Nthabiseng Beauty *Metallurgy and Materials Engineering*

MATAFENI, Ade *Industrial Engineering*

MORAKE, Mojalefa *Mechanical Engineering*

NDLOVU, Mthobisi Victor *Civil and Environmental Engineering*

NKUNA, Nhlaluko Charles *Civil and Environmental Engineering*

RATSHILUMELA, Mulalo *Engineering Management*

SHANDU, Nduduzo Sphiwe *Electrical Engineering*

SITHOLE, Nothile Fanele *Industrial Engineering*

SKOSANA, Sbusiso Emanuel Archi *Industrial Engineering*

TONGOGARA, Tatenda *Electrical Engineering*

TWALA, Thuto *Industrial Engineering*

Master of Science in Aeronautical Engineering

MCKENZIE, Crispin Scott

DISSERTATION: Autonomous cross-country thermal soaring.

Master of Science in Building

KHABO, Mati

LEFULEBE, Rebuselilitsoe Celinah

LEKGETHO, Boy Shadrack

DISSERTATION: The adoption of digital twins in transitioning building information management data of buildings by facilities management practitioners in Johannesburg

MADONDO, Nokuthula

MAKGENE, Lesego

DISSERTATION: Analysing the benefits of utilising virtual reality in optimising formwork sequencing in construction projects in South Africa

MATHEBULA, Hlulani

MATJEKANE, Lerato Priscilla

MLONYENI, Nwabisa

ZUNGUZA, Adolfo Armando

Master of Science in Development Planning

MANTHATA, Pitsi Jobline

Master of Science in Development Planning

RESEARCH REPORT: Investigating the role of institutional structures and IGR in the delivery of sustainable human settlements: The case of Fleurhof, Johannesburg

MASHALANE, Ronald Nare

Master of Science in Development Planning

RESEARCH REPORT: "LVC Application in SA: the case study of Frankenwald, Johannesburg"

Master of Science in Engineering

BALOYI, Tshiketani Doctor

School of Chemical and Metallurgical Engineering

DISSERTATION: The effect of phosphate coating process parameters on hot dip galvanized steel and AA6061 aluminium alloy

BEYENE, Mebrahetu Yergaw

School of Civil and Environmental Engineering

DISSERTATION: Deterioration of Restrained Reinforced Concrete Structural Members Undergoing both Steel Corrosion and Alkali-Silica Reaction

CHARAMBA, Anesu Nicholas

School of Electrical and Information Engineering

DISSERTATION: Design of a hybrid variable flux machine for traction applications

CRACKETT, Michael John

School of Mining Engineering

RESEARCH REPORT: Mining permits - Friend or Foe to the Quarry industry

DANSO, Frank Asamoah *School of Chemical and Metallurgical Engineering*
RESEARCH REPORT: Integration of Desalination and Reverse Electrodialysis for Water and Energy Security in South Africa

DE JAGER, Chane *School of Mining Engineering*
RESEARCH REPORT: Recognising geological characteristics in platinum mineral reserve estimation

DESEBROOK, Jonathan Sebastian *School of Chemical and Metallurgical Engineering*
DISSERTATION: The use of clay minerals for the treatment of heavy metal polluted waste generated in metallurgical operations: a case study from the battery recycling industry

GWEBANI, Ntlahla Lucky *School of Mining Engineering*
RESEARCH REPORT: Quantifying cycle time losses due to haul truck idling using fleet management system

KATJIUANJO, Veziruapi *School of Chemical and Metallurgical Engineering*
RESEARCH REPORT: Investigation of recoveries of precious metals from furnace slags in flotation circuit at Tsumeb Smelting Facility

MAKGALE, Karabo Clifford *School of Chemical and Metallurgical Engineering*
DISSERTATION: A predictive model for optimisation of prehydrolysis kraft cooking conditions for dissolving pulp production

MAMPA, Rapule Robinson *School of Chemical and Metallurgical Engineering*
DISSERTATION: The Potentials of Biomass Derived Coal as a Substitute for Fossil Coal

MARX, Gary Dale *School of Chemical and Metallurgical Engineering*
DISSERTATION: Fluoride-Free Tantalite Refining

MASHAKOE, Madimetja Dimpho *School of Chemical and Metallurgical Engineering*
DISSERTATION: Development of a methodology for data-driven process monitoring and fault detection in a recycled fibre plant.

MASHIATSHITI, Alpheus Montsa *School of Mining Engineering*
RESEARCH REPORT: Development of a 3D blastability index model for blast optimisation at Mogalakwena Open Pit Mine

MEHTA, Maunas *School of Electrical and Information Engineering*
DISSERTATION: Phases feature extraction from high-resolution EEG for the single-trial discrimination of MVC-normalised wrist extension and wrist flexion.

MOGIBA, Benedict Asande *School of Chemical and Metallurgical Engineering*
RESEARCH REPORT: The mystery of Reagent-X, and its effect as a grinding aid

MOHLATSANE, Montsheng Agnes *School of Mining Engineering*
RESEARCH REPORT: The influence of leadership on safety culture: A Case study of an underground gold mine in the Free State Province, South Africa.

MONENE, Motlatso Phumi (*with Distinction*) *School of Chemical and Metallurgical Engineering*
DISSERTATION: Machine learning estimation of higher heating value of opportunity fuels from proximate analysis

MUDAU, Lloyd *School of Chemical and Metallurgical Engineering*
DISSERTATION: Modeling a chemical recovery process to improve efficiencies for energy and steam generation for a kraft mill

NAMISE, Kamogelo *School of Mining Engineering*
RESEARCH REPORT: A geotechnical assessment of proposed mining in shallow-depth weathered rock near the Hex River

PILLAY, Sobeshan Shaun

School of Civil and Environmental Engineering

RESEARCH REPORT: Can BIM Implementation Be Enhanced by Businesses in the Built Environment?

TSHIRANGWANA, Mutendwahothe Excellent

School of Civil and Environmental Engineering

DISSERTATION: The inclusion of green infrastructure within South Africa's Special Economic Zones (SEZs)

Master of Science in Engineering Management

MAKABOLANE, Boikanyo

RESEARCH REPORT: An investigation into factors influencing the performance of plant-based maintenance teams in the large-scale wind and solar farms in South Africa.

NEMAFUKANI, Phuluso Lesley

RESEARCH REPORT: Investigating the success factors and feasibility to promote the shift from road to rail in the container corridor.

Master of Science in Industrial Engineering

JIYANE, Hlobisile Octavia

RESEARCH REPORT: The impact of disruptions on sustainable supply chains in Durban, South Africa.

Master of Science in Mechanical Engineering

STAMBULI, Ronald

DISSERTATION: Investigating the relationship between creep testing and current industry test methods.

Master of Urban Design

QWALELA, Kayaletu Dalubuhle

RESEARCH REPORT: Qeke umsobomvu, lasuka lahla: Creation of truly democratic placemaking in Bhisho Precinct

Master of Urban Studies

DHLADHLA, Nhlanhla Erastus

Urban Management

RESEARCH REPORT: Rural- urban hybridisation: The case of Solomon Linda in uMsinga, Kwa-Zulu-Natal

MASUKU, Fiona

Urban Management

RESEARCH REPORT: Investigating social capital for community-led flood mitigation and adaption: A case study of Stjewtla Informal Settlement

RALEFALA, Letlhogonolo

Urban Management

RESEARCH REPORT: Spatial distribution and management approach of gated communities in Gaborone, Botswana: Case of Phakalane Suburb

Bachelor of Architectural Studies Honours

JEENA, Usamah

MOKGWABONA, Lerato

MOLEMOHI, Bonolo Khahliso

NAIR, Kiana Davidah Seeralan

SIGANAGANA, Lutho (*with Distinction*)

Bachelor of Science Honours in Construction Management

MOKOQAMA, Rorisang

MOTHEBE, Pontsho Florinah

SIHLAHLA, Asavela

Bachelor of Science Honours in Property Studies

MADIKANE, Sibubonile

Bachelor of Science Honours in Property Studies

MOTALA, Tumi Kimberly

Bachelor of Science Honours in Property Studies

NETNOU-NKOANA, Libonge Makwidi (*with Distinction*)

Bachelor of Science Honours in Property Studies

NYUBUSE, Nkoliseko Bulali

Bachelor of Science Honours in Property Studies

ZWANE, Teboho

Bachelor of Science Honours in Property Studies

Bachelor of Science Honours in Quantity Surveying

CHAURAYA, Nyasha Adelle

CHIKA, Gomotsegang Patricia

CHIWOYO, Robb Tapiwanashe

MAEMO, Junior Emanuel

MANYENGE, Luyanda

MATHEBE, Motlanalo Refilwe

MATHULE, Lebogang

MNUKWA, Ntando

MOSES, Esther Dithola

MOTALA, Muawiya Riaz

MQAYI, Buhle

MUKWEVHO, Rendani Angel Arehone

NGEMA, Richard Sicelo

NKENKE, Zukhanye

SENYOLO, Ditshemo Mphepha

SHANGE, Nhlanhla Xolani

SIWELA, Thembelihle Nothile

ZULU, Nokwanda Olwethu

Bachelor of Science Honours in Urban and Regional Planning

MABUSELA, Thabo

MAJOLA, Anele Kim

MZIMELA, Ntuthuko Minenhle (*with Distinction*)

NKAMBULE, Luyanda S'miso

Bachelor of Science in Engineering-Chemical Engineering

LUKHOZI, Aphelele

MARINDI, Mokeri

MATHEBULA, Ntokozo Zola

MMBENGWA, Madzanga

MODIPA, Naledi

WALES, Rowan Winslow

XABA, Nokwanda Slindiwe Pretty

Bachelor of Science in Engineering-Civil Engineering

CHIKOPO, Kelvin Tawanda

KHANYILE, Mhlengi Bryan

KHOALI, Themba

KOALI, Sinothile Warona

MANGENA, Thereso Kololo

MBONA, Samkelisiwe Andiswa

NETSIANDA, Uatshidza

NOBELA, Fezile Emmanuel

NUVUNGA, Karel Thapelo

OMAR, Abdullahi Mahad

PHUNGWAYO, Siphesihle

SITHOLE, Nkateko

Bachelor of Science in Engineering-Electrical Engineering

ABRAHAMS, Shuraygh-Suwayd

CHILAULE, Sicelo Cilberto

HALL, Michael Colin

JIYANE, Sibongiseni Lesley

MABASO, Nozipho Patience

MACARINGUE, Narsizo

MADALANE, Siyabonga Valerie

MASEMOLA, Kgadile Ezekiel

MODIBA, Keletso

MPINGA, Bonginkosi

MSIBI, Thabani

NATHIE, Abdullah

Bachelor of Science in Engineering-Electrical Engineering - Information Engineering

MUKWAYI, Moris Scofield

QUTHU, Nande Mellennium

Bachelor of Science in Engineering-Industrial Engineering

MSIZA, Sifiso

NDHLOVU, Nhlaluko

SICWEBU, Zusiphe Chamberlain

SINTHUMULE, Munzhedzi Emelda

Bachelor of Science in Engineering-Mechanical Engineering

MARUMANI, Sharon Yeyani

MOOSA, Muaaz Dawood

NKOSI, Thandazani Sonwabo

SHINGWENYANA, Theo

VILAKAZI, Bongani Abel

VUMA, Amos

Bachelor of Science in Engineering-Metallurgy and Materials Engineering

BOBO, Kwanga

Bachelor of Science in Engineering-Mining Engineering

MALUKA, Innocent Lebo

MASWANGANYI, Mpho

MAZIBUKO, Mngqobi Knowledge Xolani

MPHAHLELE, Phedisho Clayson

VAVANA, Eric

Bachelor of Architectural Studies

HARWOOD, Jaydine Cheryl

JHETAM, Safiya

MKHIZE, Amahle Mpilo

MKHIZE, Sphile Aphelele

Bachelor of Engineering Science in Biomedical Engineering

DLAMINI, Nosisa Charon

NDOU, Tshivhiwa Kgothatso

Bachelor of Science in Construction Studies

DUBE, Nomakhosi Patience

FIKIZOLO, Asakha

KHUMALO, Kwanda Aphiwe

KLEINBOOI, Ntokozo Zamanguni

LEDWABA, Lesedi

Bachelor of Science in Construction Studies (in the Field of Property Studies)

MABUZA, Mxolisi Mpumelelo David Jnr

MAGUBANE, Mfundwenhle

MAHLOBOGWANE, Atlegang Mmathabi

MAKGANYOGA, Tshegofatso (*with Distinction*)

Bachelor of Science in Construction Studies (in the Field of Property Studies)

MAKGOPELA, Nomagugu Kegorapetse

Bachelor of Science in Construction Studies (in the Field of Property Studies)

MASHABELE, Wisani Karabo

MATSA, Solomon Junior Andile

Bachelor of Science in Construction Studies (in the Field of Property Studies)

MATUBETUBE, Nomcebo Kgomotso

MBAMBO, Thandolwethu Happy

MCCABE, Jaidyn Shache (*with Distinction*)

MOTLOUNG, Retshidisitswe

MUKENGESHAYI, Reina Kabeji

SHANGE, Anele Pearl

Bachelor of Science in Construction Studies (in the Field of Property Studies)

SIMELANE, Lindelwa Lucky

Bachelor of Science in Construction Studies (in the Field of Property Studies)

SITHOLE, Senzelokuhle Mpumelelo

Bachelor of Science in Construction Studies (in the Field of Property Studies)

THAKASO, Letlotlo Patrick

Bachelor of Science in Construction Studies (in the Field of Property Studies)

Bachelor of Science in Urban and Regional Planning

MAKONDZO, Khensani Mikateko

NKOMONDE, Wandile Sthembele

Postgraduate Diploma in Construction Management

MOLOSIWA, Tebogo Betty

Construction Law and Contract Management

MUKWEVHO, Vhusani

Construction Law and Contract Management

MUTANDI, Melissa

Construction Project Management

NDIMANDE, Nonhlanhla

Construction Law and Contract Management

PHAKATHI, Mfanufikile Muziwenhlanhla

Procurement and Delivery Management

SINUGU, Tshifuralo Constance

Construction Project Management

TSHIVHASE, Lindelani

Construction Project Management

Postgraduate Diploma in Engineering

DAGADA, Junior

School of Electrical and Information Engineering

DINTLHE, Tshepo Vincent

School of Mechanical, Industrial and Aeronautical Engineering

DLAMINI, Veli Andries

School of Electrical and Information Engineering

MAPINDA, Mthetheleli Sihle

School of Electrical and Information Engineering

MAPUMLO, Monwabisi Elliot (*with Distinction*)

School of Mechanical, Industrial and Aeronautical Engineering

MAQUBELA , Namhla Sisanda	<i>School of Chemical and Metallurgical Engineering</i>
MASHEGO , Sabelo	<i>School of Electrical and Information Engineering</i>
MAUMELE , Phathutshedzo	<i>School of Electrical and Information Engineering</i>
MOLIFE , Masefako Martha	<i>School of Electrical and Information Engineering</i>
MOTSOARE , Gladwin Gundo	<i>School of Mechanical, Industrial and Aeronautical Engineering</i>
NKOSI , Lerato Zinhle	<i>School of Mechanical, Industrial and Aeronautical Engineering</i>
RAMANJEE , Calvin Sibusiso	<i>School of Mechanical, Industrial and Aeronautical Engineering</i>
RAMATHIBE , Nthati Lilian	<i>School of Electrical and Information Engineering</i>
SEIMELO , Mmoloki Alexander	<i>School of Electrical and Information Engineering</i>
SHINGANGE , Oscarine	<i>School of Mechanical, Industrial and Aeronautical Engineering</i>
XIMBA , Lindani	<i>School of Electrical and Information Engineering</i>

Postgraduate Diploma in Planning

MAPONYA, Goodwill Tshediso

Postgraduate Diploma in Property Development and Management

MASENYA, Mokgadi Lucracia

MLISE, Zama Alfred *Facilities Management*

MTSHALI, Amanda Nombuso Nomfundo

MTSHALI, Mangaliso Chikondi Msizi

NDHLOVU, Chazile Bongekile

NTULI, Nelisiwe Carol

PAPU, Siyavuya

RADEBE, Nkululeko

RANGOANASHI, Peter Sekgane *Facilities Management*

SELLO, Charlotte *Facilities Management*

SHIBAMBO, Mpfuni

SITHOLE, Sithembiso Promise *Facilities Management*