FACULTY OF ENGINEERING AND THE BUILT ENVIRONMENT

DEAN: PROFESSOR IR JANDRELL PrEng BSc(Eng) GDE PhD (Wits) FSAIEE SMIEEE

Doctor of Philosophy

BLUMENTHAL, Ryan  
THESIS: On the sixth mechanism of lightning injury  
School of Electrical and Information Engineering

GENC, Bekir  
THESIS: A methodology for evaluating utilisation of mine planning software and consequent decision-making strategies in South Africa  
School of Mining Engineering

SHONGWE, Mxolisi Brendon  
THESIS: Effect of microstructure on properties of selected Pt-based alloys  
School of Chemical and Metallurgical Engineering

Master of Architecture (Professional)

ARNESTAD, James Leif  
Design Project: Yeoville youth hub: Bridging the gap between adolescence and adulthood  
School of Architecture and Planning

CHIHOTA, Rufaro Benjamin  
Design Project: Inhabiting the in-between: The transitional locations of urban settings  
School of Architecture and Planning

DE VILLIERS, Sarah Jessica (with Distinction)  
Design Project: Between Watt Street and Wall Street: Idea bank for new financial and social transactions in Wynberg, Johannesburg  
School of Architecture and Planning

FLANAGAN, Michael Liam  
Design Project: Up-cycle change: An occupational hotel for migrant waste reclaimers in Johannesburg  
School of Architecture and Planning

GHISLENI, Carina Theodora  
Design Project: Surreal city escape: Discovering escapism within the unaccommodating Johannesburg city fabric  
School of Architecture and Planning

GRUBER, Adeline  
Design Project: Translating the 'Man-made'. An underwater observatory on the shoreline of Lake Malawi  
School of Architecture and Planning

HARDMAN, Murray Richard  
Design Project: Trans-form-medium. The transformation of light, space and process through the medium of glass: A glass recycling hub for Waste Reclaimers in Newtown  
School of Architecture and Planning

HIRSON, Brett Sean  
Design Project: Science [non] fiction: Science education through the performing arts  
School of Architecture and Planning

HOWELL, Alexandra Louise  
Design Project: Architecture for survival: Fynbos research & education centre  
School of Architecture and Planning

JARDINE, Brandon Jason  
Design Project: Filmscape: Socially integrating film production within the Johannesburg city context  
School of Architecture and Planning
KASKAR, Amina  
*Design Project:* Abandoned pages _ Unsettled space: An urban dialogue created through literary practice in contemporary Doornfontein

KING, Bronwyn Ann *(with Distinction)*  
*Design Project:* Fingerprints of nature: An ecological discovery centre magnifying and mediating human-nature interactions along the border of the Kruger National Park

MARSDEN, Elliot Manuel *(with Distinction)*  
*Design Project:* Makeshift: An experimental stage for spatial exchange

MATONDO, Florence Sibongile  
*Design Project:* Chameleon retail: Environment responsive retail in the emerging market

MAZZONI, Stefan Antonio  
*Design Project:* Points of convergence: Redefining the place of arrival in Johannesburg

MCHUNU, Nokubekezela Patience  
*Design Project:* Thresholds: Activating the Braamfontein cemetery through an interpretation centre

MCNALLY, Rebecca Emily  
*Design Project:* The Man in the Machine in the Meadow: A reinterpretation of water resource infrastructure at the Vaal Dam

MISTRY, Rajiv Dhirendre  
*Design Project:* (Car) nival: Empowering Lenasia’s informal ‘motor-ainment’ industry

PINCUS, Jarred Dean  
*Design Project:* Fortress of faith: Architecture as a religious mediator

PLASKOCINSKA, Patrycja Stanislawa  
*Design Project:* Between hair and the Johannesburg art gallery: A hair museum mediating the disjointed context by inspiring public ownership through the celebration of an African art form

RODRIGUES, Fabio Armando Matos  
*Design Project:* Fighting for peace: A Martial Arts (diversion) centre

SUN, Samantha-Jean Ford  
*Design Project:* A cultural exchange hub: Reviving the first Chinatown in Johannesburg

THOMSON, Alexander Vernon  
*Design Project:* Johannesburg climate change observatory. Scales of temporality: Architecture as a mediator

VALASIS, Peter  
*Design Project:* The urban estuary: A commentary on diaporic Johannesburg, defining an architecture of connection for the transient communities of Yoeville

VALLY, Sumayya  
*Design Project:* Polygraph- a Palimpsest Pigment Factory: A colour plant as a recording device for the sedimented scars on Johannesburg's mining landscape.

VAN DER JAGT, Kaerian Rosalyn  
*Design Project:* Expression: A centre for experiential therapy in seeing, hearing and feeling

VINCER, Lionel Ross  
*Design Project:* Infra-structuring Architecture: Rethinking the ideas of water management within an urban Johannesburg context
Master of Engineering

ABRAHAM, Joshen Pattalatharyil  
School of Electrical and Information Engineering

BLOU, Gcinumzi Isaac  
School of Mechanical, Industrial and Aeronautical Engineering

BUTHELEZI, Vumeka Nozuko  
School of Chemical and Metallurgical Engineering

CHINGONO, Clever  
School of Mechanical, Industrial and Aeronautical Engineering

GORONGA, Tariro Andrew  
School of Mechanical, Industrial and Aeronautical Engineering

GROENENDAAL, Bryce Adam  
School of Mechanical, Industrial and Aeronautical Engineering

GUBUZA, Dumisani Mzwandile  
School of Civil and Environmental Engineering

HIRA, Jainesh Jaintylal  
School of Electrical and Information Engineering

HUTIRI, Neo Valentine  
School of Mechanical, Industrial and Aeronautical Engineering

JEWAN, Satish Prakash  
School of Electrical and Information Engineering

JONES, Gareth David Kemp  
School of Civil and Environmental Engineering

JOSEPH, Aju Chacko  
School of Electrical and Information Engineering

JOUBERT, Michelle Diana  
School of Mechanical, Industrial and Aeronautical Engineering

MADLALA, Duduza Mvo  
School of Mechanical, Industrial and Aeronautical Engineering

MAHLAULE, Tinyiko Frederick  
School of Electrical and Information Engineering

MALAN, Robert James  
School of Mechanical, Industrial and Aeronautical Engineering

MASANGO, Winstone  
School of Civil and Environmental Engineering

MATHAKOANE, Lentwe Samuel  
School of Mechanical, Industrial and Aeronautical Engineering

MBELLI, Thierry Mbah  
School of Electrical and Information Engineering

MHLANA, Mawushandile Sydney  
School of Mechanical, Industrial and Aeronautical Engineering

MITCHELL, John Peter (with Distinction)  
School of Chemical and Metallurgical Engineering

MUZONDO, Tapiwa  
School of Mechanical, Industrial and Aeronautical Engineering

MVULA, Freddy  
School of Electrical and Information Engineering

MWASISWEBWE, Asante  
School of Chemical and Metallurgical Engineering

NCALA, Liphu Sandile  
School of Mechanical, Industrial and Aeronautical Engineering

NDLOVU, Mlondolozi  
School of Civil and Environmental Engineering

NDOUVHADA, Tshifhiwa Clifford  
School of Mechanical, Industrial and Aeronautical Engineering

NEDUVHULEDZA, Mangalani Agreepa  
School of Electrical and Information Engineering

NGOBESE, Lindokuhle Kleinbooi  
School of Mechanical, Industrial and Aeronautical Engineering
Master of Science in Building

MOLOISANE, Katlego Samson  
School of Construction Economics and Management
RESEARCH REPORT: Assessing the impact of Orlando stadium on surrounding communities: A focus on social impact

NDLOVU, Pride Thembo  
School of Construction Economics and Management
RESEARCH REPORT: The investment of time and professional skill at risk in the built environment in South Africa: an exploratory study

SANGWENI, Nondumiso Zamangwane  
School of Construction Economics and Management
RESEARCH REPORT: Women in construction: Hindrances that shorten the professional working life of female site engineers on construction sites in South Africa

WORTMANN, Anine Eschberger  
School of Construction Economics and Management
RESEARCH REPORT: Critical factors in effective construction waste minimisation at the design stage: A Gauteng Region case study

Master of Science in Engineering

ATKINS, Michael (with Distinction)  
School of Mechanical, Industrial and Aeronautical Engineering
DISSERTATION: Driving mechanisms of gap flow between two side-by-side circular cylinders
BERETTA, Carlo Alessandro  
*School of Mechanical, Industrial and Aeronautical Engineering*

**RESEARCH REPORT:** Influence of the top piston land volume during hydrogen fuelled engine operation

DURAPRAJ, Shyandra  
*School of Mining Engineering*

**RESEARCH REPORT:** An investigation of Westonaria Formation Lavas (WAF) and its influence on the rock engineering design at Gold Field's No 4 (Ya Rona) shaft pillar extraction

FRITZ, Marisa  
*School of Chemical and Metallurgical Engineering*

**RESEARCH REPORT:** An assessment of different public engagement and communication techniques for diverse audiences in South Africa with recommendations for the Pilot CO2 Storage Project.

MABUZA, Ndumiso Simon  
*School of Electrical and Information Engineering*

**RESEARCH REPORT:** A matlab based analysis tool for clearance and thermal violations in transmission power lines

MACHAKA, Elelwani  
*School of Mining Engineering*

**RESEARCH REPORT:** A comparison of estimation methods for evaluating iron ore bodies

MAISTRY, Nattele  
*School of Electrical and Information Engineering*

**DISSERTATION:** Investigating the concept of Fraunhofer lines as a potential method to detect corona in the wavelength region 338.67NM-405NM during the day

MASERUMULE, Lehoelere Frederick  
*School of Mechanical, Industrial and Aeronautical Engineering*

**RESEARCH REPORT:** Design of a carbon fibre passenger car rim

MASETHE, Richard Terence  
*School of Mining Engineering*

**RESEARCH REPORT:** Quantification of the effects of thin spray-on liner application on shotcrete tensile strength

MGUNI, Nonhlanhla Gugu  
*School of Chemical and Metallurgical Engineering*

**DISSERTATION:** Determination of trace elements in select Hwange, Zimbabwe coal samples with a comparison to select South African coal samples.

MLASI, Bongani  
*School of Chemical and Metallurgical Engineering*

**DISSERTATION:** The decomposition of hydrogen peroxide in acidic copper sulphate solution

NCUBE, Thamsanqa  
*School of Chemical and Metallurgical Engineering*

**RESEARCH REPORT:** Freda Rebecca SAG mill circuit optimization

OJURONGBE, Oluwademilade Moyosore  
*School of Electrical and Information Engineering*

**RESEARCH REPORT:** Localising the smart grid based on a South African context: A user-centred approach to the micro-grid

OKE, Doris Oluwafunmilayo  
*School of Chemical and Metallurgical Engineering*

**DISSERTATION:** Purification of Platinum Group Metals Process Stream using Saccharomyces Cerevisiae Waste Yeast Biomass

OWUSU-ANSAH, Kwame  
*School of Chemical and Metallurgical Engineering*

**RESEARCH REPORT:** Carbon nanotube/polysulfone nano composite membranes for the filtration of crude oil-water mixtures

SEEPE, Lizzy  
*School of Chemical and Metallurgical Engineering*

**DISSERTATION:** The use of cassava waste in the removal of Cobalt, Chromium and Vanadium metal ions from synthetic effluents

SHER, Dean Evan  
*School of Electrical and Information Engineering*

**DISSERTATION:** The introduction of a New Biomedical Technology: A System Dynamics Approach to the Business Plan
TAKAWIRA, Sylvester

School of Mechanical, Industrial and Aeronautical Engineering

RESEARCH REPORT: A case study of the impact of human factors to implementation of ISO 9000 in a manufacturing SME in South Africa

Master of Science in Town and Regional Planning

MOLOPI, Moloi Edward

School of Architecture and Planning

RESEARCH REPORT: Understanding legitimation and the framing of claims: Challenging housing demolitions, fighting for a home in Lenasia

Bachelor of Architectural Studies with Honours

ADANK, Janine Claire

AFTAB, Brira Sultan

ALLCOCK, Bronwyn Anne

ANDRADE, Ricardo Miguel Gois

BLUMBERG, Jessica Michele

BRIEN, Justin Tickner

BROADHEAD, Leanne Hazel

DOWNES, Brandon

DREWE, Michael Alwyn Karel

FACTOR, Aaron

GOVENDER, Kimesha

GROBBELAAR, Jessica Michelle (with Distinction)

HART, Tamsyn Joy

JAMES, Alistair Bruce

KIM, Min-Joo

LUZOLO, Merry El'kipuni Popol

MAHARAJ, Vedhant

MARCHANT, Craig Galen

MARCUS, Asher Zachary

MDAKANE, Joyce
MKHIZE, Olwethu Prince
MODIKOANE, Lebogang
MUEMBO, Michael Nkolomoni
MUREGERERA, Rose Tsitsi
MUSIKER, Rick Chad
NANOO, Amit
NORWOOD-YOUNG, James Julian
PAGE, Robert James (with Distinction)
PATHER, Rishantha Rajeswari
PINCUS, Lindy Lee
SCHOLES, Alexandra Alice
STEYNBERG, Magriet Petranella Margaretha
THOMAS, Cassandra
TYLER, Julie-Ann
UYS, Jacobus Johannes
VANDERLIS, Costandino Dimitri
VAN LOGGERENBERG, Nico
VOUGIOUKLIS, Angela
WALELE, Malika

Bachelor of Science in Engineering-Aeronautical Engineering
BAIRSTOW, James Jeremiah
BERMAN, Neil Geoff
DURIEUX, Duran Wade
HARRIS, Joshua Isaac
MANGORO, Pitso Nicholas
MASHAU, Shivasi Christopher
MATHEKGA, Makopye Samuel
MOAGI, Nthato Gift
NCUBE, Mkhululi
VAN ZYL, Ryan

Bachelor of Science in Engineering-Chemical Engineering

ABOO, Uwais
FIGUEIRA, Gabriela Vera
GERMISHUIZEN, Charne
GOVENDER, Shivani
Khesa, Neo

MASEKO, Siphesihle Colleen
MASHOENE, Phaswane Ashlyn
MASIBI, Mosiamimang Bolelang Lesley
MATHAGU, Mulweli
MATLA, Sandile Terry
MNGUNI, Sandile Sithembiso
MOSIME, Nhlanhla Ernest
MOYO, Victoria Prince
MUDZANANI, Khuthadzo Ednah
NAKEDAR, Nuaman
NAPO, Tshepiso
NGCOBO, Xolile Jasmine
PHAMPHE, Vhutshilo
TSHIKHUDDO, Thizwilondi Lazarus

VAN DER NEST, Ross
Bachelor of Science in Engineering-Civil Engineering

DLADLA, Pholani
DODZO, Willard
HEYNEKE, Maria
MADZURA, Razendl
MAGOMBEDZE, Neal Tinashe
MAKOKOKE, Confidence
MICHEL, Christopher
NYILIKA, Vuyani Delight
QUMBA, Axola

Bachelor of Science in Engineering-Electrical Engineering

BALOYI, Xolani Chris
MACHAKWA, Luckson
MASHAMBA, Tafadzwa
MUNERI, Trust
TAKURA, Tawanda
ZUMBIKA, Christopher Takudzwa

Bachelor of Science in Engineering-Electrical Engineering : Information Engineering

CHIGUVARE, Paddington
MASUNDA, Kennedy Tohwechipi Fudu
MUTAMBA, Kudzanayi Daryl

Bachelor of Science in Engineering-Industrial Engineering

CHATUR, Sabrina
DINAT, Aqeela
MAHARAJ, Kashvir
MANTSHO, Gert Talama
MATHEBULA, Ndzalama Masana Solomon
ROSHANIA, Neel
SESING, Naledi Winston
WINTER, Matthew Colin

Bachelor of Science in Engineering-Mechanical Engineering

CHIDAKWA, Bongani Zebedia
DLAMINI, Bavukile
HON, Paul Steven
LOUBSER, Enrico Nicolaas
LUTHULI, Madoda Velemseni
MASHABA, Mzamani Blanco
MOLABE, Matswele Modifa
MOTHAPO, Maijawe Archibald
MSOMI, Siphephelo Innocent
MUZOREWA, Silas
NANA, Shu-aib
NGWARATI, Clifford Danai
SACK, Joshua

Bachelor of Science in Engineering-Metallurgy and Materials Engineering

CHAUKE, Khanyisa Charlotte
MAJAENA, Eric Tshepo
MAVHUNGU, Rudzani Angel
MMELESI, Golekwang
MNCUBE, Alert Xolile
MOKOENA, Lehlohonolo Christopher
MOROPENE, Tumelo
MOTJOTJI, Hlanganiso Andries
MPHAHLELE, Kgaugelo Rebecca
MUEDI, Iphi Noreen
SEKGARAMETSO, Katlego Milton
ZABA, Winnie

Bachelor of Science in Engineering-Mining Engineering

CHINDEDZA, Tafadzwa (with Distinction)
CHINYOWA, Watson Chido
CHIRINDA, Thembani
JABANE, Masibulele Nsikelelo
KANIKI, Freddy
MAHAMBA, Slow
MAKACHA, Terence Shingai
MALATJI, Tshwarelo Molefe
MALOMANE, Boitumelo Matladi Isabella
MAPOSA, Takudzwa Caleb
MAPURANGA, Amos
MARINGA, Hlamhani Lucia
MARUMA, Bridget Sebolaisi
MKIZE, Bonile Gillian
MLONDOBOZI, Timulekani Sammy
MODAU, France Masindi
MOHALE, Florence Maropeni
MOKOENA, Dibuseng Gladys
MOLEPO, Rosina Mmamolelwa
MOLOMO, Matlhati Johannes
MUNATSI, Kudakwashe Sharleen
MUNJERI, Tatenda
MUYANALO, Ntshengedzeni Lawrence
NESENGANI, Thakhani
NOSILELA, Anathi
NYAMWANZA, Stella Tinotenda (with Distinction)
SEBONE, Matome Lucky
STEVENS, Darion Albé

Bachelor of Engineering Science in Biomedical Engineering

CAKIC, Luka
COETZEE, Peter
MAROUN, Ryan Martin
MARSDEN, Matthew Robert Warren
NGONYAMA, Sibongile Memory
PEREIRA, Jean Pierre Vieira
TAYLOR, Devin
WEINBERG, Daniel

Postgraduate Diploma in Planning

AKUJURU, Chinem
CHIMENYA, Brenda Fortune
DAVIS, Grant Edward (with Distinction)
MNGAZA, Banele Mompati
MNYAKA, Anele
PRIM, Lyle Brice

Postgraduate Diploma in Property Development and Management

CARLIN, Blaize Harold Melles
CHAUKE, George Hatlane
HUMAN, Martie
KASSIE, Sudhir Dhayanand
MKHABELA, Nikiwe Glory
NAIDOO, Kevin
O’DONNELL, Bryce Matthew Gerard
TSOLO, Leemisa Neo
VELDSMAN, Dewald
ZWANE, Busisiwe Jacobeth

Graduate Diploma in Engineering

AVIA, Kaunalenga Kristof
School of Mining Engineering
BRIJBALL, Jayshree Kalyanchad
School of Chemical and Metallurgical Engineering
CELE, Anathi Abulele
School of Civil and Environmental Engineering
DIKGOLE, Lerato Hilda
School of Mining Engineering
FLEMING, Janine Wendy (with Distinction)
School of Mining Engineering
GANJE, Simbarashe
School of Civil and Environmental Engineering
GERTENBACH, Jan-Diedeleff (with Distinction)
School of Mining Engineering
GOSAI, Priyesh
School of Mechanical, Industrial and Aeronautical Engineering
GWEBU, Zandile Nonhlanhla Happiness
School of Civil and Environmental Engineering
HLONGWANE, Nkululeko Terrence
School of Civil and Environmental Engineering
KANYASA, Pondai  
KAUHANDA, Florencia  
KHUMALO, Nqobile  
LAAS, Christiaan  
LANDANE, Tumelo Emily  
LETSIKA, Masentle Pamela  
LIEBENBERG, Gerhardus Neethling  
MADIKILA, Innocentia Duduzile  
MAKGATO, Mokwebela Raymond  
MAMABOLO, Mologadi Ramatsemela  
MAMABOLO, Paula Phoebi Shibu  
MANDAZA, Kennedy Mururami  
MARUMO, Thato Inalengwe  
MHLOPE, Makhosiwonke Broadfoot  
MNUNU, Sinetemba Bismarck  
MOLETSANE, Phemelo Brighton  
MOTLALESELELO, Abel  
MOYO, Amanda Siphathiwiwe  
MUTHAVHINE, Mashudu Innocent  
MUTYAVAVIRI, Richard  
MZAMO, Nosiphiwo Caroline  
OLIVIER, William Herman  
PADAYACHEE, Dasevan  
PIENAAR, Michelle  
RUSSELL, Alexander John  
RUSSELL, Timothy Michael (with Distinction)  
SEJOE, Tshepo Ernest
SIM, Nicholas James *(with Distinction)*

STANLEY, Richard Alan

TLADI, Makgato Ramadimetja Tshwanelo

UZOEGBO, Dave Chidozie

VAN DEN HEEVER, Marianne

YUAN, Li

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