



Dear UJ Graduate

The single most audible truth that emanates from the University of Johannesburg (UJ) since opening our doors, is the importance of including the most marginalised, and embracing diversity, transformation, perseverance, excellence and success. When you believe, when you focus your efforts, and when you put your very best foot forward, extraordinary things occur.

The University's graduation season has arrived, where we will hold 43 ceremonies during this first of three graduation series, beginning on 27 March. I applaud our successful undergraduate degree and diploma students who worked consistently to achieve academic success and who will leave these doors to impact society and their communities, and create meaning for their own lives. We celebrate all our graduates today, who proudly walk across this stage to have their diplomas and degrees conferred.

I beam with pride and congratulate you on this remarkable achievement. Your perseverance and determination have yielded positive outcomes, not only for yourselves, but also for the University, your families and the economic stability of South Africa.

UJ has grown steadily into a world-class, internationally recognised university, with more than 50 000 students registered. Our programmes, provided on four campuses within nine faculties, are designed to prepare students for the world of work, innovation, entrepreneurship and society, and for global citizenship.

As we move into an important era of transformation and decolonisation in Higher Education, we will continue to focus on building this world-class institution carefully and purposefully. We are witnessing the fruit of our determined vision in the research institutes and with our flagship teaching and learning programmes. We support these efforts with distinguished visiting professors. We have also elevated our programmes with outstanding postdoctoral fellows and doctoral and master's students.

We have deliberately built a richly diverse and inclusive senior scholarly community at this University. We continue to build UJ as an international *university of choice*, anchored in Africa, dynamically shaping the future. Despite having to grapple with the societal context we work in, we continue to inspire our academic community to transform and serve humanity through innovation and the collaborative pursuit of knowledge. These are the cornerstones upon which the University is anchored.

Together, we engage challenges and hurdles along the journey, because we believe they enable us to reach new summits and destinations. Together we rise. Today, we celebrate our achievements and the impact we make in our own lives, in the communities we serve and in the world. No matter who you are, where you are from, or what you do – all of our futures are inextricably intertwined.

That is why, at UJ, we are not afraid of the future – because we're making it. This is our future. Reimagined.

Yours sincerely,  
Ihron Rensburg  
Vice-Chancellor and Principal



**Welcome to the  
Graduation Ceremony  
of the  
University of Johannesburg  
3 May 2017 at 17:00**

**Welkom by die  
Gradeplegtigheid  
van die  
Universiteit van Johannesburg  
3 Mei 2017 om 17:00**

**Le a Amogelwa  
Moletlong wa Dikapešo wa  
Yunibesithi ya Johannesburg  
3 Mopitlo 2017 ka 17:00**

**Niyamukelwa  
eMcimbini wokweThweswa kweZiqu  
weNyuvesi yaseJohannesburg  
3 kuNhlaba 2017 ngele-17:00**

# **UNIVERSITY OF JOHANNESBURG**

## **CHANCELLOR**

Prof NS Ndebele  
BA (Lesotho), MA (Cambridge UK), PhD (Denver USA)

## **SENIOR OFFICE-BEARERS OF THE UNIVERSITY**

### **VICE-CHANCELLOR AND PRINCIPAL**

Prof IL Rensburg  
BPharm (Rhodes), MA, PhD (Stanford USA)

### **DEPUTY VICE-CHANCELLOR: ACADEMIC**

Prof A Parekh  
BA, BA Hons, MA (UDW), MA (Kansas USA), DPhil (UDW)

### **DEPUTY VICE-CHANCELLOR: RESEARCH AND INTERNATIONALISATION**

Prof T Marwala  
BS Eng (Case Western Reserve USA), MEng (UP), PhD (Cambridge UK)

### **REGISTRAR**

Prof IC Burger  
BA, HEd, BA Hons, MA, PhD (RAU)

### **DEPUTY VICE-CHANCELLOR: FINANCE**

Mr J van Schoor  
BCom, BCom Hons (RAU), CA (SA)

### **DEPUTY VICE-CHANCELLOR: EMPLOYEES AND STUDENT AFFAIRS**

Ms KC Mketi  
BA (Bophut), BA Hons (RAU), MBL (Unisa)

### **GENERAL COUNSEL**

Prof PH O'Brien  
BCom, LLB, LLM, LLD (RAU)

## **EXECUTIVE DEANS**

### **FACULTY OF ART, DESIGN AND ARCHITECTURE**

Prof F Freschi  
BA (Wits), BA Hons (UCT), PhD (Wits)

### **FACULTY OF ECONOMIC AND FINANCIAL SCIENCES**

Prof A Dempsey  
BCom, BCom Hons, MCom (RAU), CA (SA)

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Prof SJ Gravett  
BA, HEd (PU for CHE), BEd, MEd, DEd (RAU)

### **FACULTY OF ENGINEERING AND THE BUILT ENVIRONMENT**

Prof S Sinha  
BEng, MEng, PhD (UP)

### **FACULTY OF HEALTH SCIENCES**

Prof A Swart  
NDip, NHDip (TWR), BEd, MEd (RAU), DTech (TWR)

### **FACULTY OF HUMANITIES**

Prof AB Broadbent  
BA, BA Hons, MPhil, PhD (Cambridge UK)

### **FACULTY OF LAW**

Prof LG Mpedi  
B Juris, LLB (Vista), LLM (RAU), LLD (UJ)

### **FACULTY OF MANAGEMENT**

Prof D van Lill  
BSc, BSc Hons, MSc, PhD (US)

### **FACULTY OF SCIENCE**

Prof D Meyer  
BSc, BSc Hons, MSc (RAU), PhD (California USA)

## **MEMBERS OF COUNCIL**

### **CHAIRPERSON**

Prof RD Marcus

### **DEPUTY CHAIRPERSON**

Mr MS Teke

### **MEMBERS**

Mr H Abdullahi  
Prof H Abrahamse  
Mr FM Baleni  
Prof IC Burger  
Mr JP Burger  
Mr D Bvuma  
Ms S Dlamini  
Mr TJ Dikgole  
Mr CR Gebhardt  
Prof D Hildebrandt  
Mr G Khosa  
Prof C Landsberg  
Dr DSS Lushaba  
Dr J Manyaka  
Ms Z Matlala  
Ms BJ Memela-Khambula  
Dr P Mjwara  
Mr RM Mkhonto  
Mr M Mnye  
Prof A Mohammadali-Haji  
Dr Y Ndema  
Prof A Parekh  
Prof IL Rensburg  
Dr WP Rowland  
Mr KB Sibiya  
Mr K Thomas  
Mr J van Schoor  
Mr M White

### **PRESIDENT OF CONVOCATION**

Mr RM Mkhonto

# **Programme**

**Wednesday, 3 May 2017 at 17:00**

To ensure good order during the ceremony all those present are requested to leave the Auditorium only after the ceremony has been concluded.

The academic procession enters the Auditorium and the members of the procession take their seats on the stage.

The choir sings Gaudeamus Igitur (or a CD is played) while those present remain standing.

The Chancellor constitutes the congregation.

Choir.

Welcome.

The relevant Executive Dean presents the candidates to the Chancellor for the conferment of a degree/diploma/certificate.

Singing of the National Anthem.

The Chancellor dissolves the congregation.

The academic procession leaves the Auditorium while those present remain standing.

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# **Lenaneo**

**Laboraro, 3 Mopitlo 2017 ka 17:00**

Go kgonthiša gore dilo di sepela ka tshwanelo nakong ya moletlo, bohle bao ba tilego moletlong ba kgopelwa go tšwa ka Holong ya kopano feela ka morago ga ge moletlo o phethilwe.

Sehlopha sa dirutegi se tsena ka Holong ya kopano gomme maloko a sehlopha se a dula ditulong tša ona sefaleng.

Khwaere e opela Gaudeamus Igitur (goba CD e tlo bapalwa) mola bao ba lego gona ba tšwela pele go ema.

Mokhanseliri o kopanya phuthego.

Khwaere.

Dikamogelo.

Hlogophethiši ya maleba ya lefapha e hlagiša dialoga go Mokhanseliri gore di newe tikrii/diploma/setifikeiti.

Go opelwa ga Koša ya Setšhaba.

Mokhanseliri o phatlalatša phuthego.

Sehlopha sa dirutegi se tšwa ka Holong ya kopano mola bao ba lego gona ba tšwela pele go ema.

# **Program**

**Woensdag, 3 Mei 2017 om 17:00**

Ter wille van die ordelike verloop van die plegtigheid  
word alle aanwesiges vriendelik versoek  
om die Ouditorium nie voor die einde van die plegtigheid te verlaat nie.

Die akademiese proses kom die Ouditorium binne en neem op die verhoog plaas.  
Die koor sing Gaudeamus Igitur (of 'n CD word gespeel) terwyl die aanwesiges staan.

Die Kanselier stel die kongregasie saam.

Koor.

Verwelkoming.

Die betrokke uitvoerende dekaan stel die kandidate aan die Kanselier voor vir die  
toekenning van 'n graad/diploma/sertifikaat.

Sing van die volkslied.

Die Kanselier ontbind die kongregasie.

Terwyl die aanwesiges bly staan, verlaat die akademiese proses die Ouditorium.

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# **Uhlelo**

**uLwesithathu, 3 kuNhlaba 2017 ngele-17:00**

Ukuze kuqinisekwe ukuthi konke kuhamba kahle ngesikhathi somcimbi, bonke abakhona  
bacelwa ukuba baphume eHholweni kuphela lapho umcimbi usuphuthuliwe.

Udwendwe lezifundiswa lungena ehholweni bese amalungu odwendwe ahlala phansi  
esiteji.

Ikwaya icula i-Gaudeamus Igitur (noma kudlalwa iCD) ngalenkathi labo abakhona  
besamile.

UShansela uhlanganisa ibandla.

Ikwaya.

Ukwamukelwa.

Izinhloko Eziyiziphathimandla ezithintekayo zethula abafundi kuShansela weNyuvesi  
ukuze bathole idigiri/iploma/isitifiketi.

Kuculwa iHubo Lesizwe.



# Gaudeamus Igitur

Gaudeamus igitur,  
Juvenes dum sumus;  
Post iucundum iuventutem,  
Post molestam senectutem  
Nos habebit humus.

Vivat academia,  
Vivant professores,  
Vivat membrum quodlibet,  
Vivat membra quaelibet;  
Semper sint in flore!

## English

Let us rejoice, therefore,  
While we are young.  
After a pleasant youth  
After a troubling old age  
The earth will have us.

Long live the academy!  
Long live the professors!  
Long live each student;  
Long live the whole fraternity;  
For ever may they flourish!

## Sesotho sa Leboa

Ka gona, a re thabeng,  
Re sa le ba bafsa.  
Ka morago ga bofsa bjo bo bose  
Ka morago ga go tšofala mo go nago le  
mathata  
Lefase le tla ba le rena.

Phela thuto phela!  
Phelang diprofesa phelang!  
Phelang baithuti phelang;  
Phela kagišano ka botlalo phela;  
O ka re ba ka phela gabotse goyagoile!

## Afrikaans

Laat ons dan vrolik wees,  
Terwyl ons jonk is;  
Na 'n aangename jeug.  
Na 'n onaangename oudag,  
Sal die aarde ons hou.

Lank lewe die universiteit,  
Lank lewe die professore,  
Lank lewe elke student,  
Lank lewe al die studente,  
Mag hulle vir ewig hul jeug behou!

## Zulu

Ngakho, masithokoze  
Sisebasha nje.  
Emva kobumnandi bobusha  
Emva kwezinkinga zobudala  
Umhlaba uzosithatha.

Phambili ngemfundo!  
Phambili boSolwazi!  
Phambili nakuwe mfundi;  
Phambili ngenhlangano yonke;  
Maziqhubeke ngonaphakade!

# QUALIFICATIONS

## 1. National Diploma (NDip)

**Boshiane**, Kagiso Onicca (Food Technology)  
**Chemese**, Martin Siphon (Analytical Chemistry)  
**Dhlamini**, Ayanda (Biotechnology)  
**Hlungwani**, Singita (Food Technology)  
**Kekae**, Lesego Orapeleng (Biotechnology)  
**Khotle**, Nehemia Lechaina (Biotechnology)  
**Khoza**, Mikateko Innocetia (Food Technology)  
**Khumalo**, Mbali (Food Technology)  
**Mabiletsa**, Kgaugelo Mosetsanagape (Analytical Chemistry)  
**Maboa**, Lebogang Rachel (Food Technology)  
**Mahlaba**, Francina (Analytical Chemistry)  
**Mahlalela**, Jerry Enock (Analytical Chemistry)  
**Makhanye**, Thato Mary (Biotechnology)  
**Manyane**, Mukondi Welma (Food Technology)  
**Maphosa**, Thabisile Priscilla (Analytical Chemistry)  
**Masombuka**, Lindi Vaness (Food Technology)  
**Matjabela**, Nicco Oupa (Biotechnology)  
**Mhlongo**, Brian (Biotechnology)  
**Mnizi**, Nobuhle Celeste (Analytical Chemistry)  
**Mnizi**, Zanele Desiree (Food Technology)  
**Modike**, Kgomotso (Food Technology)  
**Mokwena**, Linah Tjiepe (Analytical Chemistry)  
**Mondlane**, Shallot Bongisile (Food Technology)  
**Moroamoche**, Raisibe Lebogang (Food Technology)  
**Mosia**, Sandy Seleke (Biotechnology)  
**Motibane**, Lethabo Rebecca (Analytical Chemistry)  
**Motloun**, Lesego Trinity (Biotechnology)  
**Mpange**, Prudence Minky (Biotechnology)  
**Mphehlo**, Desiderata Tshogofatso (Biotechnology)  
**Msibi**, Gugu Goodness (Biotechnology)  
**Ndawonde**, Nandiwe Musawenkosi (Analytical Chemistry)  
**Ndou**, Unarine (Food Technology)  
**Ndzipo**, Nontobeko (Analytical Chemistry)  
**Nesane**, Selamolela Nomonde Muthakhi (Biotechnology)  
**Ngobeni**, Paradise (Analytical Chemistry)  
**Ngonyolo**, Nompumelelo (Analytical Chemistry)  
**Ngwenya**, Sibisisiwe Blessed (Food Technology)  
**Nkwini**, Dumisani Treasure (Food Technology)  
**Ntini**, Sithandinkosi (Food Technology)

**Rapolai**, Refilwe Mapulane (Food Technology)  
**Setshogoe**, Katlego (Biotechnology)  
**Somo**, Alphonia (Food Technology)  
**Tebele**, Shandry Mmasetshaba (Biotechnology)  
**Thobakgale**, Maikemisetso Rekgonne (Food Technology)  
**Thobakgale**, Tshepiso Jane (Analytical Chemistry)  
**Tivani**, Passion (Food Technology)  
**Tshabangu**, Baphethile Nokukhanya (Food Technology)  
**Tsotetsi**, Nnini Miki (Food Technology)  
**Zulu**, Nontobeko Xolisiwe (Food Technology)

## 2. **Bachelor of Technology (B Tech)**

**Buthelezi**, Gabisile Nelisiwe (Food Technology)  
**Mahlo**, Selokela Joseph (Biotechnology)  
**Mainganye**, Ndifelani Valentia (Food Technology)  
**Makumbe**, Hattie Hope (Food Technology)  
**Maluleke**, Pinky Pamela (Biotechnology)  
**Mnisi**, Sylvia Mmapula (Food Technology)  
**Mphale**, Tebogo Candice (Food Technology)  
**Naidoo**, Channay (Biotechnology)  
**Nell**, Dore (Biotechnology)  
**Netshifhefhe**, Andani Amanda (Biotechnology)  
**Njoko**, Busisiwe Immaculate (Food Technology)  
**Tsotetsi**, Matshidiso Alinah (Biotechnology)

## 3. **Bachelor of Arts Honours**

**Makwela**, Tebogo Elsie (Geography)  
**Van Tonder**, Su-Marie (Geography) **(with distinction)**  
**Venter**, Erika Heila (Geography)

## 4. **Bachelor of Commerce Honours (BCom Hons)**

**Khan**, Masud (Informatics) **(with distinction)**  
**Matsietsi**, Lisema Noel (Informatics)  
**Mutambaie**, Melina (Informatics)  
**Theka**, Kholofela (Informatics)

## 5. **Bachelor of Science Honours (BSc Hons)**

**Batchelor**, Kyle Fraser (Chemistry)  
**Bhavan**, Kim (Information Technology) **(with distinction)**  
**Bidla**, Thandile Khayakazi (Computer Science)

**Boihang**, Mothusi Thabiso Ernest (Geology)  
**Botha**, Eduard Joshua (Computer Science) **(with distinction)**  
**Carlsen**, Lorcan Carlisle (Biochemistry) **(with distinction)**  
**Ceronio**, Willem Abraham Foord (Geography)  
**Chacha**, Piety Kgotso (Information Technology)  
**Cuthbertson**, Shayna-Ann Mary (Geography)  
**Da Silva**, Mario Loureiro (Computer Science)  
**Dauids**, Bianca Leigh (Chemistry) **(with distinction)**  
**De Jager**, Daniel Christian Phillipus (Computer Science) **(with distinction)**  
**De Mattia**, Stefano Sergio (Computer Science)  
**Dlamini**, Anastacia (Applied Mathematics)  
**Dlamini**, Reagan Wonder (Computer Science)  
**Dube**, Grace Nontle (Biochemistry)  
**Du Plessis**, Jacobus Johannes (Zoology)  
**Eliason**, Jason (Biochemistry)  
**Ficq**, Gabrielle (Geology)  
**Forbes**, Luke Murray (Botany)  
**Gana**, Kholiswa (Geology)  
**Gibson**, Luke Thomas (Botany)  
**Gumede**, Siyanda Njabulo (Geography)  
**Henning**, Chantel (Zoology)  
**Heri**, Sylvie Mauwa (Biochemistry) **(with distinction)**  
**Hill**, Adam Bradley (Computer Science)  
**Jooste**, Candice Megan (Zoology)  
**Khanyile**, Lindani Castro (Information Technology) **(with distinction)**  
**Khaphathe**, Ndamulelo Mildred (Geography)  
**Khosa**, Rivoningo Ripanzell (Geology)  
**Kobo**, Frederick Reshoketswe (Informatics)  
**Konyana**, Sibusiso Mlungisi Oscar (Geology)  
**Lamola**, Lesibana Jairus (Chemistry) **(with distinction)**  
**Letho**, Phomolo Chanana (Computer Science)  
**Lloyd**, Gabbi Crystal (Zoology)  
**Loots**, Marco (Information Technology)  
**Lu**, Hei Ling Jade (Biochemistry) **(with distinction)**  
**Magudulela**, Thabani Sizwe (Chemistry)  
**Maharaj**, Kashmir (Informatics)  
**Mahlaku**, Mampotle Sebina (Geology)  
**Main**, Devon Campbell (Zoology)  
**Makadikoa**, Thabang Ballicare (Geology)  
**Makamu**, Siphon Obed (Informatics)  
**Makhoidiri**, Mashilo Davey (Botany)  
**Malatji**, Mokgadi Grace (Informatics)  
**Mampa**, Nthabiseng (Geology)  
**Maponya**, Lizza Mpho (Chemistry)  
**Maroga**, Khomotjo Reuben (Geology)  
**Masauso**, Samantha Joana (Computer Science)  
**Mashimbye**, Nhlamulo Nomsa (Botany)  
**Matamela**, Vusani (Computer Science)

**Mathale**, Dyke (Applied Mathematics)  
**Matsi**, Emmanuel Mokwepere (Computer Science)  
**Mbatha**, Nokuthula (Computer Science)  
**Mbelu**, Sibongile Bongi (Computer Science)  
**McAllister**, Kyle Richard (Computer Science)  
**Mhou**, Kudzaishe (Computer Science)  
**Milne**, Sarah Elizabeth Mcadam (Geology)  
**Modise**, Refiloe Petronell (Chemistry)  
**Mogapi**, Karabo Michael (Geology)  
**Mohale**, Potsane (Computer Science)  
**Mojapelo**, Lebogang Mathabatha (Applied Mathematics)  
**Mokoena**, Ernest (Geography)  
**Mokwena**, Maria Louisa (Geology)  
**Monsanto**, Daniela Marques (Zoology)  
**Morole**, Malebo Salome (Geography)  
**Mosam**, Rashid Ahmed (Biochemistry)  
**Motsamai**, Abigail Lerato (Chemistry)  
**Mpanza**, Zandile Sharon (Informatics)  
**Mugwedi**, Idani Larnelle (Applied Mathematics)  
**Mukwevho**, Constance Katlego (Geology)  
**Murei**, Arinao (Biochemistry)  
**Mvala**, Bongiwwe Apatia (Chemistry)  
**Ndlovu**, Nomsa Mercy (Geology)  
**Nekhavhambe**, Tshifhiwa Felicia (Biochemistry)  
**Nemufulwi**, Murendeni Isaac (Physics)  
**Newport**, Jason James (Computer Science) **(with distinction)**  
**Ngulube**, Melusi Boyce (Informatics)  
**Ngwenya**, Amukelani Elijah (Computer Science)  
**Niemann**, Hendrik Johannes (Botany) **(with distinction)**  
**Nkosi**, Gabisile Adorable (Geology)  
**Nkwana**, Agnecious Mathema (Computer Science)  
**Ntumba**, Sanele Goodenough (Computer Science)  
**Nyathi**, Samukeliso Fiona (Geography)  
**Nyondlo**, Yonela Mamela (Chemistry)  
**Obodoekwe**, Chukwudi Nnaemeka Fortune (Information Technology) **(with distinction)**  
**Oni**, Oluwabamigbe Oghenetega (Information Technology)  
**Ormond**, Robyn Jean (Geology) **(with distinction)**  
**Parbhu**, Shilpa Pradeep (Zoology)  
**Phahlamohlaka**, Mathale Carington (Computer Science)  
**Pieterse**, Leishe Megan (Zoology)  
**Plato**, Nathan Jason (Information Technology)  
**Ramatsakane**, Kobosa Icoonies (Information Technology)  
**Rasool**, Mohamed Imraan Sultan (Computer Science)  
**Sampath**, Sanish (Information Technology) **(with distinction)**  
**Sanders**, Scott Geoffrey (Geography)  
**Schwim**, Franco (Informatics)  
**Seletisha**, Katlego Raymond (Computer Science)

**Shimambani**, Nhluvuko (Geology)  
**Sibandze**, Veroninah Tsweletso (Geology)  
**Simwanza**, Limichilwe Mwizachela (Computer Science)  
**Singh**, Christopher (Information Technology)  
**Sito**, Welhemina Mmamokhobo (Geology)  
**Skosana**, Noxolo Zinhle (Geology)  
**Tau**, Stephen Bongani (Geology)  
**Tefeo**, Jacky Magwadi (Chemistry)  
**Teukeng Becho**, Kevin (Computer Science)  
**Thango**, Samkelisiwe (Biochemistry)  
**Tinte**, Morena Motlotlehi (Biochemistry)  
**Tladi**, Ayesha Nthara (Computer Science)  
**Tseuo**, Seoli Caswell (Applied Mathematics) **(with distinction)**  
**Tshikane**, Olebogeng Christian (Geology)  
**Van Wyk**, Shaun (Information Technology) **(with distinction)**  
**Venter**, Darren Paul (Biochemistry)  
**Vumani**, Vutomi Gladness (Geology)  
**Zuma**, Phumlani Cosmos (Computer Science)

## 6. Master of Technology (M Tech)

**Mrwebi**, Phumla (Biotechnology)  
**Dissertation:** Bio-refining of crude oil using microorganisms isolated from petroleum refinery waste water.  
**Supervisor:** Dr V Mavumengwana  
**Co-supervisor:** Dr D Ndinteh

## 7. Master of Science (MSc)

**Mkhize**, Buhle (Geology)  
**Dissertation:** The variability of particle size distribution measured in 2D vs 3D.  
**Supervisor:** Prof KS Viljoen  
**Co-supervisor:** Ms K Duarte (Anglo Research)  
**Co-supervisor:** Ms N Shackleton (Anglo Gold Ashanti)

**Ntsoele**, Phineas (Physics)  
**Dissertation:** Search for a Higgs boson decaying to 4 leptons through new gauge bosons.  
**Supervisor:** Prof SH Connell  
**Co-supervisor:** Dr K Assamagam (Brookhaven National Lab)  
**Co-supervisor:** Dr M Arousseau (ATLAS)

**Patala**, Rapelang (Chemistry)  
**Dissertation:** Application of monometallic and bimetallic dendrimer encapsulated nanoparticles (DENs) and their catalytic evaluation on reduction of 4-nitrophenol.  
**Supervisor:** Prof R Meijboom

**Schmidt, Julian** (Environmental Management)

**Minor Dissertation:** A comparative study of household recycling behaviour in the City of Johannesburg.

**Supervisor:** Mrs DC Schoeman

## 8. Philosophiae Doctor (PhD)

**Ama, Monday Onoyivwe** (Chemistry)

**Thesis:** Synthesis, characterisation and application of exfoliated graphite-metal oxides electrodes in the photo-electrochemical degradation of selected organic dyes pollutant in water.

**Supervisor:** Prof OA Arotiba

**Rose, Derek Hugh** (Geology)

**Thesis:** A process mineralogical investigation of the Merensky Reef and UG-2 at the Two Rivers Platinum mine with emphasis on ore characterization.

**Supervisor:** Prof KS Viljoen



## **Ama, Monday Onoyivwe (PhD)**

Monday Onoyivwe Ama matriculated from Model Secondary Commercial Senior Secondary School in Delta state, Nigeria. He obtained a National Diploma and a Higher National Diploma (BTech degree) in Chemistry/Biochemistry from the Federal Polytechnic Auchi Edo State, Nigeria. He obtained a Master of Technology degree from the Department of Applied Chemistry, University of Johannesburg, South Africa with financial support from the National Research Foundation. He proceeded to his PhD in July 2013 at the same department with the support of the Faculty of Science, UJ. His thesis has resulted in a scientific publication and a presentation at an international conference.

The need for the management of our limited water resources cannot be overemphasised. Water treatment is becoming more challenging owing to the complexity of the pollutants present therein. This necessitates the need to seek alternative and complementary approaches to the removal of 'stubborn' water pollutants. Mr Ama's thesis is a contribution to this need in our society. His thesis outlined the synthesis, characterisation and application of exfoliated graphite-metal oxide electrodes in the photo-electrochemical degradation of selected organic dye pollutants in water. This multi-disciplinary work cuts across electrochemistry, water science, materials science and nanotechnology. It successfully highlights the applicability of exfoliated graphite nanocomposites in electrochemical technology. Mr Ama's contribution paves the way for the development of electrochemical reactors, powered by solar light, for water treatment in the near future.

**Supervisor:** Prof OA Arotiba





**Rose, Derek Hugh (PhD)**

Derek Rose was born in Swaziland in 1983, and matriculated from Ferndale High School, Randburg. He obtained a BSc degree majoring in Geology and Chemistry, followed by an honours degree in Geology from the University of Johannesburg. During study towards his MSc in Geology at the University of Johannesburg he was awarded an NRF Scarce Skills Master's degree scholarship, graduating in 2010. He is currently employed as an assistant lecturer in the Department of Geology at the University of Johannesburg.

In his doctoral study the candidate assessed the geometallurgy of platinum-bearing Merensky Reef and UG2 chromitite ores from the Eastern Limb of the Bushveld Complex. The study involved the use of mineral liberation analysis technology in combination with laboratory-scale flotation testing, with a view on an understanding of the geological as well as extractive metallurgical properties of these horizons, for the Eastern Limb. A two-tiered approach was followed whereby carefully controlled geological samples were subjected to metallurgical testing, and the results contrasted with data for bulk samples processed through the concentrator plant at the Two Rivers Platinum Mine. It is shown that the recovery efficiency of the platinum-group elements in Merensky Reef and UG2 in the study area is similar, and that the ores are amenable to blending, resulting in improved cost efficiency during processing. The results from this work has been presented in several international and local conferences and has also been submitted to an internationally peer-reviewed journal.

**Supervisor:** Prof KS Viljoen



See the back cover for the words of the National Anthem.



A word of thanks to the UJ Alumni Association for sponsoring the flower arrangements at the University of Johannesburg graduation ceremonies.

The UJ Alumni Association manages a network to the advantage of every alumnus and the University. Become part of the ultimate network!

**[www.uj.ac.za/alumni](http://www.uj.ac.za/alumni)**