



YOUNG PROFESSIONALS COUNCIL

# YIMM

Youth in Mining & Metallurgy

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*'For students by students'*

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SAIMM Student

Debate 2017

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**JUNE 2018 | ISSUE #2**

# *Youth in Mining & Metallurgy*

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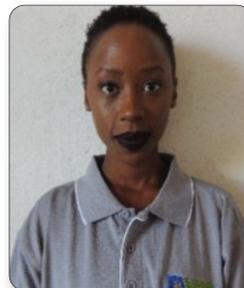
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We would like to thank everyone who worked tirelessly to make this e-magazine possible. Most importantly, Mr Sihe Nhleko, Ms Sam Moolla and Mr Tshepo Mmola.



## Chairperson's address

I would like to welcome you to the second issue of YIMM. The completion and production of this issue is another testament that with adequate support the youth can achieve more. This issue contains articles spanning from youth opinion about the minerals industry to life skills the industry has taught the young lions and lionesses.

The success of this e-mag relied on students from various institutions working together, and I find this very encouraging as their networking and teamwork skills, amongst others, are enhanced. Please assist me in congratulating the YIMM team for this milestone and thank them for ensuring that YPC continuously contribute positively to the minerals industry fraternity.

In closure, as YPC we condemn in strongest terms, the abuse, violence perpetrated against, and murder of women and children. We are all responsible in one way or the other for educating our society and ensuring that we create and live in a better world. This is the world where respect is the substance our of lives and every human right is upheld. Let us talk about it and be the difference we envisage.

I believe you will have a good read.

**Sihe Nhleko**  
*YPC Chairperson*



## Editor's note

On behalf of the YPC, I would like to thank everyone who reads this for taking their time to look at the second issue of the YPC\_ EWG e-magazine, *Youth in Mining and Metallurgy*. This e-magazine is meant to keep young people abreast with the minerals industry by covering topics that matter to the constituents. Each e-magazine issue has a theme. This issue's theme is: *For the students, by the students*.

For this issue, owing to its theme, students from the University of the Witwatersrand, University of Johannesburg, University of Pretoria and the University of South Africa studying courses in line with the minerals industry were given a chance to author articles along with the subcommittee members of the YPC-EWG e-magazine team. The e-magazine team had a plan to release a total of two issues in 2017, however due to the fact that it is run by students studying different minerals qualifications at different universities, it was not possible to meet the goals for 2017. This issue is a revised issue of the 2017 2nd edition. Moving forward, only one issue will be released per year followed by a series of newsletters when the need arises. The release date for the next issue will be made available on the SAIMM website, under the YPC tab.

I hope you enjoy reading this magazine, just as the team and I enjoyed working on it!

Yours sincerely,

Katleho Phamotse



## Youth in Mining and Metallurgy e-Magazine

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The views expressed in this e-magazine are not necessarily those of the authors, contributors, or SAIMM-YPC.

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# YPC-EDUCATION WORKING GROUP (EWG) PURPOSE

**'For students by students'**

*Actively involving young people with issues taking place in the minerals industry*

## About The YPC-EWG

The Young Professionals Council (YPC) of the Southern African Institute of Mining and Metallurgy (SAIMM) is made up of three working groups namely Education, Enterprise, and Career. The Education Working Group (EWG) represents the interests of primarily pre-graduates in basic and higher education on matters of career guidance, academic development and life skills. It therefore comprises of three committees; the e-magazine, workshops and career guidance.

### Electronic Magazine (E-Mag)

The E-Mag is fully run and handled by students. It was started with the idea to keep young professionals abreast of issues that are taking place in the minerals industry as well as having the opinions of young people heard by older professionals.

#### Vision and Mission:

- To speak to the youth in the minerals industry;
- To inspire change in the minerals industry;
- To continue the ideals of the YPC as a body;
- To engage as many young people in the Southern African region; and
- To create a platform for students and young people to have their voices heard in the industry.

### Workshops

Workshops were established to equip students with soft skills that are typically not learnt during lecture periods but are necessary for a well-rounded young professional. Such soft skills involve CV writing, time management, and financial education.

#### Vision and Mission:

- To equip young professionals with lifetime skills;
- To create a well-rounded individuals;
- To have interactive sessions between the presenters and the students;
- To identify the needs of students outside of lecture periods; and

- To create young professionals that can tackle situations with better ease.

### Career Guidance

Career Guidance provides students with tools and resources to make better and informative career decisions in the minerals industry. It is aimed at high school learners and graduates who seek professional development in their career path.

#### Vision and Mission:

- To make young professionals aware of the vast career choices in the minerals industry;
- To provide proper platforms for students and graduates to sell themselves in the event of job opportunities; and
- To provide proper platforms for students and graduate to sell themselves in case of job opportunities.

# Youth opinion on the minerals industry

Changes Mining and Metallurgy students would like to see implemented

Contributing authors: Bin Kamangu Cibidi Sylas, and Nhlakanipho Dlamini

Compiled by: Lukona Melento

The process of extracting minerals from the earth's crust and processing them into a usable form has changed over the years. These changes have occurred unexpectedly due to natural causes but are more often planned under human control or due to human mistakes. The effects resulting from the changes maybe instantaneously or gradually observed, or profitable or unbeneficial in the industry. Careful examination of all the parameters' initiators and continuous monitoring will reduce the deficiencies' side of the changes. Young people are located between the childhood generation acting as role models and the adulthood generations representing the hope of the future. They constitute a central generation whose inputs are critical into changing the way minerals have been mined over the years. This section of the magazine gives an overview of the changes that young people studying mining and metallurgy would like to implement in the mining industry.

## Mechanisation in mines

Regardless of the multiple trials in the past but less success, young people would like to see the South African mining industry becoming fully mechanised. The minds of many people are narrowed to think that mechanisation will reduce employment rate and bring subsequent misfortune; however, young people understand the vast number of advantages of mechanisation such as mining at very deep levels with less risks due technological incorporation, skills transfer, and high revenue and just to name a few. Educating current students, employees, and stakeholders on the benefits of technology in the mining industry is key to a successful fully mechanised future mining generation.

accidents that occur because an employee was distracted at work; this in turn is costly, as new employees have to go through training. Implementing good moral and life lesson will help the future miners to extract minerals safely. Furthermore, effective leadership lessons introduced at the early stages of the mining will bring about positive impacts compared to the attitude currently displayed by miners.

## Women in Mining numbers

The same way men possess the ability to do everything; women have the ability to do the same. Most men in mining and most women outside of mining are currently questioning this truth, therefore, addressing and accepting it will result in

*The mind of many people is narrowed to think that mechanisation will reduce employment rate and bring subsequent misfortune*

## Behaviour in mines

Although it has been practiced for years and is now considered to be a norm, the usage of strong languages, alcohol, and other toxic drugs has destroyed many miners' families. The inability of a miner to differentiate, the language used at the workplace and the language to be used at home created confusion, hurt, and family problems, which in turn has resulted in a miner who has stresses of a broken home. The mining industry loses skilled employees due to the

progress. Young people studying mining and metallurgy encourage the concept of women in mining, as they would like to see the number of women in the mining industry accumulating annually. Young people in mining and metallurgy would like to see the end of the underestimation, demotivation, and disrespect towards women in the mining industry but instead support, encouragement, help, and training of women in mining and metallurgy.

Changes are part of our everyday life; they cannot be avoided. Change in the industry may come with its costs, arguments, misunderstandings, confusion; however, a well-implemented change creates an opportunity for growth and improvement.



# CAREER AND LEADERSHIP CONFERENCE 2017 HOSTED BY UNIVERSITY OF PRETORIA

Contributing Author: Mpho Kgopodithate  
Compiled by: Katleho Phamotse

The YPC has been running an annual Career and Leadership Conference in partnership with various universities offering mining and metallurgy in South Africa.

The purpose of the conference is provide a platform to equip final year students from different mining and metallurgical schools with valuable knowledge as they join the industry.

The University of Pretoria's Mining Society and Metallurgical Engineering Sub-house welcomed speakers and visitors to this year's conference. The event started with a warm welcome from Professor Cuthbert Musingwini, SAIMM President and Mr Sihesenkosi Nhleko, YPC Chairperson, as they journeyed through the importance and the values of the YPC. Ms Deshnee Naidoo, CEO of Vedanta Resources, highlighted the importance of hard work and having a plan in life. 'It was not always easy but I worked hard to be where I am today', Ms Naidoo added.

She was a motivation, especially to the young women who are about to graduate and embark on their journey in the minerals industry. The panel discussion facilitated by Mr Leigh McMaster, Chamber of Mines Specialist, focused on Behavioural Change, where ideas of moving from academia to the industry change due to the working environment. Tefo Mokhine, one of the panel members, emphasised the

change in thought when moving from university to the working environment due to the shoes one has to fill, which require a practical application of any knowledge gained.



Ms Refentse Molehe, Engineer in Training at Multotec, emphasised the role of women in the minerals industry and how graduates need to persevere when it comes to dealing with problems at work. Refentse added that the industry, as it is male dominated, will often make women feel like they don't belong but the important part about the journey is embracing the process of growth and persevering through any challenge

# Student Entrepreneurs and Influencers



**Fossa Leather Works** is a student-owned luxury brand that produces handcrafted leather accessories ranging from wallets to belts and laptop sleeves. It was founded in October 2016 by two Mining Engineering students from Wits University. The inspiration to start the business was driven by the students' need for stylish yet durable day-to-day accessories. As the founders are engineering students, they

know about the nature of the day-to-day job of a Mining Engineer – working in personal protective equipment (PPE) and sitting in important meetings – that inspired their business idea further as they plan to grow their brand internationally. For running a company where the founders have such great future plans, time management and being organised have been very important skills to master. The founders draw up plans for their weeks and prioritise test and exam periods in order to stay afloat both in business and in their academic work.



**Raps's Backpacks (RBP)** is partnership formed by a BSc Mining Engineering student, Rapelang Makondelela, and a seamstress named Kefilwe. As the name suggests, the product is backpacks that are water resistant, custom made, and made out of durable PVC material. The backpacks are a stylish adaptation of the bags that are used by miners underground and they come in a variety of colours, also, each bag is custom-made regarding size and shape to meet the needs of its target market – students. Safety is an important aspect at RBP, therefore the backpacks have reflective material to make students visible when they travel at night after studying. RBP's internal structure comprises six employees who work

from Carletonville, and one of the employees is a driver to deliver the backpacks so that makes it easy for the founding student to balance his academic work and the business. RBP managed to sell 10 backpacks in its first week and the business is only two months old. Expansion plans for the business include handbags, pencil cases, and water bottles as per requests by students.



**Budatapes Lifestyle** is a clothing brand that was founded by a BSc Mining Engineering student, Thapelo Thupe, in 2016. Thapelo founded the business to raise funds in order to pay his university fees. In the first year of the business, 400 caps were sold and due to this small

success, Thapelo was able to put a roof over his head and secure meals. Even though the business idea was inspired by a desire to overcome financial strain, it has grown from just being a means to pay fees to a lifestyle brand that sells shirts, sweaters and beanies. The highlight of Budatapes Lifestyle was when one of the lecturers in the School of Mining Engineering made a comment about how it seems the Wits Mining Engineering students have a new uniform (Budatapes Lifestyle) after noticing that a lot of students in the class had similar caps. The idea behind the brand is to have a winning attitude – one that makes the wearers feel like royalty hence, the ‘Kingest’ and ‘Queenest’ branding. Due to its growth, Budatapes Lifestyle is involved in community projects like an organisation called Faculty Best Advisory (FBA) that was founded by Wits students to engage with high school learners about career options, university application forms and available funding options.



**Gigiseka Construction Services (Pty) Ltd** is a registered company owned by Sakhile Khumalo, a Wits BSc Mining Engineering student. The Company specialises in general building, mining civils work, civil and mechanical engineering projects. Currently, the Company is working on a water reticulation project valued at R40 million and a railway machinery maintenance project valued at approximately R1.2 million. The Company’s current clients include Transnet, PRASA, Mdima Civils, Stefanutti Stocks, Stm Corporation, Mayi Investments, SibiyTech and AST Africa Trading. Due to the grand size of the projects and the Company itself, there are a number of community outreach programmes that that Company leads. which include Gigiseka Football Club and Wits Volunteers Programme.

**Pfunzo Yashu Foundation** is a non-profit organisation (NPO) that was founded by Ronewa Masuvhelele. The NPO's main aim is to motivate high school learners to finish high school and study further by going to disadvantaged schools and offer the learners career guidance, motivational talks, assisting students to apply for bursaries and keep track of their progress as they reach university. Highlights of the NPO were at two award ceremonies held in March and August 2017 where awards were given to the top three students and most improved students from Grades 8-12 at John Mutheiwana and Tshimbupfe Secondary Schools in Vuwani, Limpopo. These two award ceremonies were highlights because in that area, there had been strikes in 2016 in Vuwani and the work done by the NPO really motivated learners who seemed to have lost hope of going to school. This is a small contribution towards fighting poverty in families, one student at a time.

**Innovative Minds** is a NPO that focuses on assisting high school pupils in rural areas by offering them career guidance, mathematics and science tutorials during school holidays, mentorship and hosting developmental seminars. It was founded by Ephraim Mphela, a final year BSc Mining Engineering student at Wits University. The geographical focus areas are the local communities of Mantserre, Mopyane and Kraalhoek in Vaal. At Innovative Minds, the beliefs is that the mind is the most powerful tool that one can use to achieve one's dreams and that success is not determined by one's background but rather the work one puts in to achieve success. For the founder to handle his studies along with the NPO, all activities of the NPO are held at the beginning of the university semesters and during school holidays. Currently there are teams that work at North West University and Wits University. The plan is to have a team at the University of Johannesburg by the end of 2017. The highlight was the first career expo held in April 2017 that attracted organisations such as Faculty of Best Advisory (FBA), which has played a crucial role in educating young minds.



**Bass Clef** is a clothing brand owned by Ramatsitsi Phethani, a BTech Mining Engineering student at the University of Johannesburg. The clothing brand was birthed as a result of the founder's love for music and a unique sense of style. He works with four other people who assist him with taking orders and delivery. Currently, Bass Clef t-shirts are produced at a factory and Ramatsitsi pays for its services, but in future he hopes to own his own factory. Building a loyal consumer base has been a problem as the suppliers do not always deliver on time which causes Ramatsitsi to sell some of his t-shirts at a discounted price in order to satisfy the customers. In terms of balancing academic work and the business, Ramatsitsi has a set schedule of dedicating about 10 minutes to the business every weekday and doing a

reflection of the business as a whole on Saturdays in order to improve his service to the customers and to grow his brand, as he has plans for every year in place. He compares some of the challenges faced with his practical work for studies with his business in terms of having to react to the markets (what people want) and setting targets that need to be achieved. One day Ramatsitsi hopes to compete with big brands like Adidas.

# SAIMM Student Debate 2017

By Busisiwe Siliga & Sabelo Mnyandu

## Worley Parsons, Melrose Arch

24 August 2017

The SAIMM Johannesburg branch hosted its annual SAIMM Student Debate on 24 August 2017 at Worley Parsons, Melrose Arch. The debate topic was **The Future of Artisanal and Small-Scale Mining in the South African Mining Industry.**

Small-scale and artisanal mining in South Africa forms an informal sector within the mining industry turning over at approximately R7 billion per annum. *Zama-zamas*, as they are commonly called, are currently an estimated 30 000 labour workforce - of this - the majority are immigrants from neighbouring countries. With frequent and gruesome incidents occurring at abandoned mines and closed shafts, the Mine Rescue Service (MRS) has had to increase its presence rescuing illegal miners. This prompts the question, must government and the formal sector step in and form regulations for this sector?

Metallurgical and Mining Engineering students from Wits University (Wits) and the University of Johannesburg (UJ) came together to form three teams to argue this topic. The teams were named as follows; Team Government, Team Mining industry and its Representatives and last but not least The *Zama-zamas*, small scale miners and illegal miners. In the audience were final year mining students from WITS and UJ, lecturers, industry representatives, SAIMM personnel and a panel of judges.

First to present their case was Team Government; the regulators and legislators. They made a case for the National Small-scale Framework which strives to bring in artisanal and small-scale miners into the industry as registered miners. Amongst other reasons for intervention, topping the list were the 312 deaths between 2012-2015 caused by rivalry, fall of ground and exposure to toxic chemicals, which incur cost to government and industry to rescue illegal miners. Since the government recognises that this informal sector creates jobs and has potential to contribute to the economy, the objectives of intervention are to legalise, regulate and tax artisanal mining. Means of intervention proposed by Team Government include granting work permits to immigrant miners and provide training. A question posed to the team was



how will they would convince the *zama-zamas* into bringing in the tax man? To which the team answered they will use laws to stop theft and redistribute wealth.

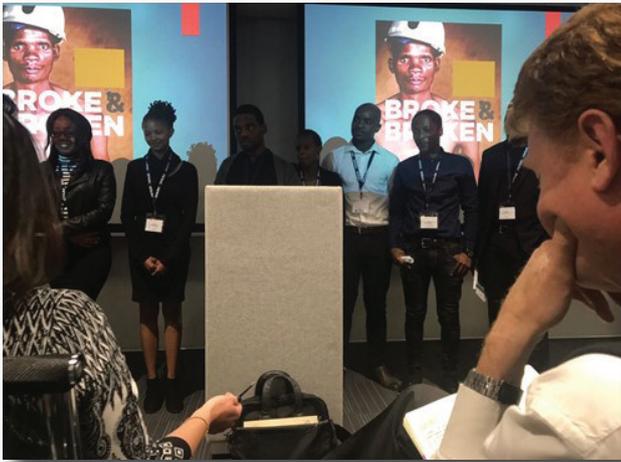
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*'They believe that illegal mining is a direct consequence of socio-economic conditions in SA with the unemployment rate at an all-time high of 27.7%'*

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'They believe that illegal mining is a direct consequence of socio-economic conditions in SA with the unemployment rate at an all-time high of 27.7%.'

Team Zama-zama was next to present their argument. Starting off their presentation with a song to pay respect to those who've lost their lives in the belly of the Earth in attempts to make ends meet for their families. The team stated, 'Since the discovery of minerals in 1886, the industry has been built on the two pillars cheap labour and maximisation of profits'. They believe that illegal mining is a direct consequence of socio-economic conditions in SA with the unemployment rate at an all-time high of 27.7%. *Zama-zamas* demand cohesion with the state and industry. The informal sector needs to be legalised, facilitated with training programmes in safety, entrepreneurship, and commercial farming and their own tax bracket which will go into developing communities.



In their conclusion it was stated that retrenchment feeds into illegal mining, and companies need to find alternative means of cutting costs. A comment from the panel of judges was that *zama-zamas* do not mine for the love of mining but for the love of money and survival. However, the team's response was that they only make enough to feed their families and they are also victims of crime syndicates.

Last on the podium was Team Mining Industry - the establishment. The team was quick to point out that they are the major employers, they increase salaries and contribute to community development yet cannot stray away from the main mandate which is to make profit. The government is the custodian of the land and must redistribute wealth and land, not forgetting

that mining is moving towards mechanisation which means hiring less labour. 'We could give away 70% of our profit but if the government continues to loot state funds, no change will take place' said the team. They also stated that according to unions, *zama-zamas* are negatively impacting formal jobs and communities due to their dangerous activities underground. One of the solutions presented by industry is to hand over mining rights for their non-profitable shafts to artisanal miners instead of mine closure certificate to government.



The judges were impressed with the teams. The students not only provided reasonable solutions but showed that the future of mining in this country is in the right hands. Team *Zama-zama* was the winning team in the 2017 SAIMM Student Debate.



# THE LIFE SKILLS LEARNT FROM STUDYING MINING AND METALLURGY

*Contributing Authors: by Munyani Talifhani and Kganane Dibuseng*

*Compiled by: Dineo Makhoba*

The minerals industry has seen an increase in the number of women joining the industry. This is evident even at university level where there are just about equal numbers of male and female students pursuing degrees in mining and metallurgical engineering. As women have shown interest to enter this exciting world of engineering, two Metallurgical Engineering students at Wits University, Munyani Talifhani and Kganane Dibuseng, give their opinions on how their degree has not only informed them of technical concepts but also how they have grown personally as a result of choosing to study Metallurgical Engineering.

*‘Another key lesson that she has learnt is the ability to handle criticism effectively...’*

Munyani shares the key lessons that she has learnt that can subsequently be applied in the corporate world. Empathy and working effectively with people from different backgrounds, cultures and races are some of the key lessons she has learnt. This was mainly achieved by working in groups for some of her projects and assignments, which forced her to communicate and cooperate effectively to complete the tasks. Group work also improved her decision-making skills and stimulated her ability to think critically. Another key lesson is the ability to handle criticism effectively, which in her own words, ‘it has improved my professionalism.’

Along with the technical skills that she has learnt from the degree, she has also developed stress and time management skills, which she has managed to

apply in her daily life. She adds that university has taught her that it is only through determination that success is realised.

Kganane Dibuseng also shared what she has learnt about the first principle approach (taught within her degree), which is to simplify concepts to their most basic form. This helped her analyse scenarios effectively and logically. The psychology module that was offered in her first year of study improved her social skills and helped change her perspective positively towards the world. Finally, her interpersonal and leadership skills have improved over the course of her being enrolled. In addition to this, having to meet assignment deadlines has taught her to be responsible and accountable for any work that she has to present.

*‘It built their character and helped improve their tenacity’*

In conclusion one of the most important lessons that both of these women have learnt is that failure is only a stepping stone to success and that to fail is to learn. Through being challenged at an academic level they have learnt to maintain their focus and to persevere in spite of the stressful situations encountered at university. It built their character and helped improve their tenacity. These character traits are vital for people working within the minerals industry as engineers are required to work under pressure and think on their feet. Skills taken up at university build individuals who are innovative and are able to add value to the industry.



# Annual Young Women in Mining Conference UJ

By Busiswe Siliga and Thabang Matlala

## University of Johannesburg

11 August 2017

The Women in Mining group at the University of Johannesburg (WIM-UJ) hosted the 1st Young Women in Mining Conference on 11 August 2017 in partnership with SAIMM-YPC and support from the Department of Mining Engineering and Mineral Survey at the University of Johannesburg, Doornfontein Campus. A successful event, it was attended by close to 200 delegates with representatives from UNISA, UP, Wits, and UJ in mining related courses and guests from the mining industry.

WIM-UJ is a student organisation within the School of Mines at the University of Johannesburg. It was established by students striving to empower female mining students with academic and professional development. As part of their programme for the year, they hosted the conference with the aim to celebrate and unite women who have reached great heights within the mining and mineral industry. Also, to recognise and honour top achieving students in the school of mines and Mr. Peter Knottenbelt, a mining lecturer, for his contribution to the institution and industry. The event also offered students a networking opportunity as there were students from four different higher learning institutions.

*'Advising them to work together and support each other to be successful in their chosen career paths, Ms Keneilwe Ndala, CEO of Ironveld Mining, encouraged the students to join mentorship programmes and girls' clubs for networking to boost self-confidence.'*

SAIMM-YPC's Education Working Group had an information table set up at the event where they provided registration forms and helped students register with the SAIMM. Mr. Tshepo Mmola, outgoing YPC Chairman, gave a brief talk at the conference informing the students about SAIMM-YPC and its objectives.

The speakers spoke about empowerment to the next generation of female miners, advising them to work together and support each other to be successful in their chosen career paths, Ms. Keneilwe Ndala, CEO of Ironveld Mining, encouraged the students to join mentorship programmes and girls' clubs for networking to boost self-confidence. Ms. Caroline Mulaudzi, Founder and Managing Director of ProAct Mining Solutions, took the students through her 10-year journey in the mining industry that led to her identifying gaps and entrepreneurial opportunities.



The highlight of the event was the honoring of Mr. Peter Knottenbelt, an exceptional educator whom all the mining students at UJ describe as a father figure. WIM-UJ, with the help of Mr. Velile Nhlapho, (Non-executive director at Royal Bafokeng Platinum), presented Mr. Knottenbelt with the first honorary member award for the structure. Still in the spirit of celebration, Ms. Takalani Randima (General Manager; Technical Development at Redpath SA) extended a helping hand towards giving awards to the top achieving students.

The event concluded on a positive note with WIM-UJ not only expanding its network within the higher learning institutions and industry but also landing a sponsorship of R15 000, an establishment of an Advisory board of directors from industry. The donation will go towards assisting students with their academic requirements such as tuition and accommodation fees and training.

# UNIVERSITY STUDENT BODIES

Compiled by: Mmasenwe Takalo

**S**AIMM-YPC EWG consists of the Pretoria and Johannesburg branches. The Pretoria branch comprises the University of South Africa (UNISA) and the University of Pretoria (UP) whereas the Johannesburg branch consists of the University of the Witwatersrand (Wits) and University of Johannesburg (UJ). All these universities have their own student bodies which cater the needs of the students and have different missions within each respective University.

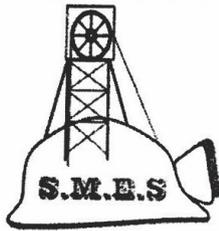
UNISA		<p><b>UNISA Mining Society (UMS)</b> is a structure within the University of South Africa (UNISA). UMS, which is an acronym for UNISA Mining Society, acknowledges its existence as an autonomous substructure of Science Engineering and Technology Student Association (SETSA). UMS represents students in Mining Engineering and Mine Survey.</p>
UP		<p><b>The Tuks Mining Society (TMS)</b> is a student-led society and the sub-house of the mining department; which forms part of Faculty of Engineering Built-Environment and Information Technology (EBIT). It is under the supervision of the mining department and aims not only at enhancing students, social and leadership skills, but also creates a platform for students to network with other students, lecturers, alumni members and industry professionals. It was founded in the 1990s with the initial purpose of addressing the social needs of its members.</p>
		<p><b>The Metallurgical Sub-house</b> is a student organisation of the Department of Material Science and Metallurgical Engineering at the University of Pretoria. The main objectives are to serve as a communication link between students in the Department of Materials Science and Metallurgical Engineering and the staff members, to assist in organising academic, social and other events for the department, and to assist in marketing Metallurgical Engineering as a career and a study field.</p>
		<p><b>The CHMT (Chemical and Metallurgy) School Council</b> is an extension and operates under the governance of the SRC. We are here to voice out our students' concerns, interests and suggestions.</p>

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SCHOOL OF MINING ENGINEERING

**The Mining Engineering Student Council (MESOC)** is committed to exemplary student leadership in defining the competent Mining Engineer that the Wits School of Mining Engineering is producing for the mining industry and the country at large. To this end, it aims to encourage academic excellence and promote equality of opportunity through effective, accountable and transparent student leadership.



**The Student in Mining Engineering Society (SMES)** is a student body recognised by Wits University with the main objective to represent and address the social needs of its members (mainly consisting of Wits Mining Engineering Students). It is concerned with linking students to the school, alumni and the industry through different events.



We, the School of Mines students of the University of Johannesburg, drawn from various cultural, religious, social, economic and political backgrounds, conscious of the historic disparities within the South African mining industry in general; are committed to the building and sustenance of a non-racial, non-sexist and democratic institution.

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**MESO** is an organisation concerned with the holistic development of its constituents. Academic excellence combined with social development is the goal. MESO seeks to create an environment that will allow for an improved relationship between students and the Metallurgical Department. Our aim is also to build a bridge between students and the institution (University of Johannesburg) and industry.



**Women in Mining** of the University of Johannesburg is a constituency of female students in mining related courses (Mining Engineering, Mineral Surveying and Metallurgical Engineering). We are the flowers of our nation, springing from different roots of cultures, religion and race. In unity, we stand through our diversity with the main aim to empower each other.

Contacts

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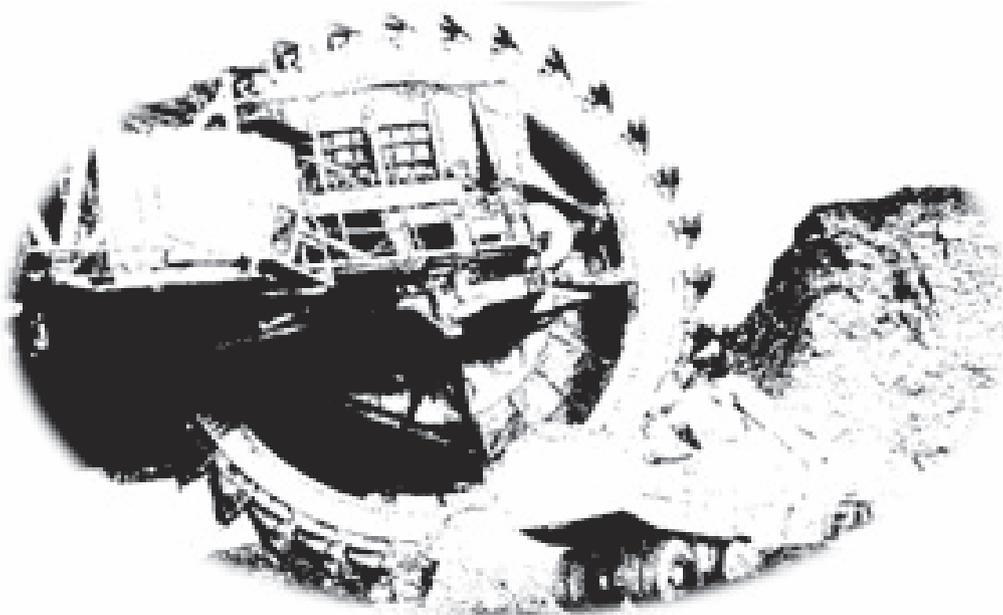
Website : <http://www.saimm.co.za/young-professionals-council/saimm-young-professionals-council>



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