

ROCK *talk*

Volume 8, Issue 1 | APRIL 2022



PRESIDENTS CORNER: THE MONTH OF MARCH 2022

The year is well underway, and the month of March 2022 already signifies that quarter one of the year is done and dusted. At the time of writing, the children are having their first school holidays already and I cannot help to think: "Oh my goodness, the pace has really picked up and the days are flying by".

The month of March is not only a time indication that there are only three quarters left of the year, but the 26th of March marks the second anniversary following South Africa's national lockdown.



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PRESIDENTS CORNER

I am personally relieved that after two years, we can finally get back into a pre-lockdown life. It is very exciting to know that one's personal life, work life and the activities of SANIRE can finally be restored to what is considered as normal (with the added advancements and safety measures that did not exist pre-lockdown).

International Women's Day is also celebrated in the month of March on the 8th and this year's theme for 2022 is "#Break the Bias". As many industries celebrated this day, the Minerals Council of South Africa and the Department of Mineral Resources and Energy (DMRE) celebrated the achievement and contribution of 10 women through the Women in Mining Modernisation Hero Campaign. I was privileged to have been nominated by my company as a Women in Mining Modernisation Hero and I have joined nine other ladies from different sectors of the mining industry as we were recognized at a breakfast that was held on 8 March 2022. I've been genuinely inspired by all these finalists, who have made astonishing contributions to the mining industry.



Photo above: International Womens Day Event by MINCOSA and DMRE – Women in Mining Modernisation Heroes

Prior to this day and the breakfast held, I have asked myself, just like some of you probably do, if such a special day is necessary to celebrate women? After some thought, I came to the following conclusion - Off course it is necessary! Yes, I might not currently be a victim of discrimination, inequality, or sexual harassment; however, this is not true for all women in all businesses and communities. We need women and men to fight for a world free of bias, stereotypes, and discrimination.

By encouraging and recognising the contribution of women, we will be able to build an equal, diverse, and sustainable future. Consequently, I would like to celebrate the female members which makes up 19% of SANIRE membership. SANIRE's vision is "To actively promote the South African Rock Engineering Profession" regardless of gender and I hope that the percentage of female members will rise in the future.

By the time you read this, "the month of March 2022" would have passed and I am looking forward to the upcoming SANIRE activities in 2022 which you will read about in the newsletter.

SANIRE greetings,

Lizelle Prinsloo
SANIRE President



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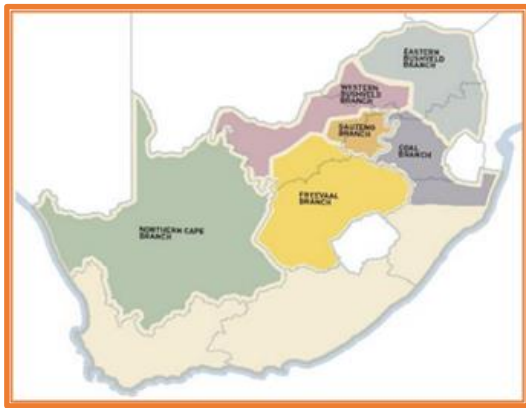
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SANIRE BRANCH NEWS



SANIRE WESTERN BUSHVELD BRANCH FIRST QUARTER MEETING

The Western Bushveld Branch had their first quarter technical meeting on Friday the 25th of March 2022 at the Rustenburg Bowling Club. There were Presentations by:

- Les Gardner- on *Unpacking the MCSA Elimination of FOG fatalities action plan.*
- Noel Fernandes- *Bolting Covers the Risk of Changing Bolting Machines*
- Jannie Maritz-Using *Disruptive Technology to teach Rock Engineering*



The Western Bushveld Branch Committee



Noel Fernandes



Les Gardner



The chairperson of the SANIRE Western Bushveld Branch, Edeshni Munsamy commented that the branch has made great strides in understanding and addressing the needs of our branch members. The diversity in terms of strengths, skills and passion our committee members poses is an excellent opportunity and promises to refresh and take the branch to new heights. As a committee we would like to encourage all our members to continue to engage and share their recommendations for improvement as we all share the same vision and that is to actively promote the advancement of the Rock Engineering Profession.

The branch committee had recently held an internal meeting to create a calendar of events and opportunities that would fulfil the needs of the branch members the best. The meetings were followed by a roadshow where the Chairperson and secretary of the branch engaged with the Heads of Rock Engineering in the Larger Companies making up the Western Bushveld Branch to understand the challenges and needs of the members and take their recommendations into consideration to best address these from a branch level. Those recommendations and advise were considered and incorporated into the annual calendar where possible.



The Mini Rock Bowl Winners



Jannie Maritz

SANIRE GAUTENG BRANCH FIRST QUARTER MEETING

The SANIRE Gauteng branch hosted their first technical meeting on Thursday 10 March 2022 at University of Witwatersrand. It was one of the most well attended meetings.

The Gauteng branch committee would like to thank the sponsor, M&J Mining (Vernon Baptista). The committee really appreciate the fantastic presentations by Wesley Harrison and Prof Dick Stacey, which was followed by some interesting discussions. A very special thank you to WITS School of Mining for the venue and the catering. To the members who made the effort to attend our technical meeting, thank you!



Wesley Harrison (SRK) – Geophysics for engineering problems



Prof T Stacey (WITS) – What value can Geotech provide in Mining?



Vernon Baptista (M&J Mining) – Donut Flexibolt

FREEVAAL BRANCH FEEDBACK

On 10 March 2022 the SANIRE FreeVaal branch hosted its first meeting at Orkney Golf Club. The meeting was opened by Louis Lochner (Chairperson) followed by product and company presentations from RSS and Carbontech. Two technical presentations from Blackie Swart (Secretary) and Dr. Jaco Le Roux were presented.

Gifts and certificates were presented to the previous council members to thank them for their service and commitment to the organization. After closing the meeting, the 51 attendees enjoyed late lunch followed by some networking and socializing. Overall the first meeting of 2022 was a success and we look forward to growth within the Free-Vaal branch going forward.



Attendees during one of the presentations.



Louis Lochner (Chairperson) and Blackie Swart (Secretary) presenting the gifts and certificates to previous council members

EASTERN BUSHVELD BRANCH

The Eastern Bushveld branch held their first quarter meeting at Lydenburg Golf club on the 25th of March 2022.

The presentations were:

1. Wian Strydom: (Geobrug) presentation
2. Albert Jacobs: (STS) Training and mining simulation presentation
3. Easavani Wessels: (TWO Rivers Platinum mine) Regional pillar project

A training event for the Eastern Bushveld candidates on the 5th of March 2022 at Booysendal mine. The event was well attended and examples sections as well as the report writing was discussed and practiced at the training session.

Examples were handed to the candidates to go and practice at home and answer sheets were emailed to the respective (Add the below two photos – also attached).

The Eastern Bushveld Golf day is booked for the 12th of August 2022 at Highland Gate Golf Estate near Dullstroom. We hope to see a lot of you there!



SCO practical training Event



SCO practical hosted at Palabora mine



SCO practical training Event

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ROCK STAR OF THE QUARTER



Full Name: Rabele Mokone
Company/Organisation: Goldfields, South Deep Gold Mine
Designation: Supervisor Strata Control
Date and Place of Birth: 31 October, Bekkersdal, Westonaria
Education: BSc(Hons) Geology, UP
First Job: Graduate Geologist, Samancor WCM Mooinooi
Philosophy of Life: Life is good, *but bophelo ke ntwá*, so live!
Favourite Food/Drink: I love pasta dishes, but also food in general. Drink? Currently I love drinking Gin & Tonic

Q. Favourite Sport:
Netball

Q. Where is your favorite hangout spot?
Anywhere, as long as I'm with my family and friends.
They are all the fun that I need

Q. What motivates you to get out of bed in the morning?
Honestly, Bills! *chuckles*

Q. What is your favourite quote (why)?
"You is kind. You is smart. You is important." - The Help.
This quote is from a movie scene which teaches us that self-worth needs to be instilled at a very young age.

Q. What is your favourite line from a movie?
No specific one, my personal songs are seasonal

Q. What is the best vacation you've been to?
Diani Beach (South Coast Kenya) can SANIRE sponsor a technical evening there?

Q. What is your favourite movie?
I'm caught between Sarafina and Dreamgirls. I enjoy watching musicals

Q. If the story of your life were to become a biopic, what would the title be?
"When the rainbow brought me joy"

Q. If the story of your life were to become a biopic, which famous actor or actress would play you?
Jeremy Pope

Q. What is the best vacation you've been to or plan on going to?
I've been to Cancun, Mexico and would like to go to The Maldives next.

Q. Do you have a favourite newspaper, blog?
None, however, Twitter is always the plug

Q. What is your favorite hobby?
Online Shopping

Q. What is your greatest fear?
Losing a loved one

Q. What is your hidden talent?
I am a performer (singing and dancing), in the shower though lol

Q. What is the one thing that very few people knows about you (e.g I was mrs Candy high school when I was 12 years old)?
I am a very shy person. It takes a lot for me to converse with strangers

Q. What's your most memorable facepalm moment?
There was this other time I went for weeks without my bank card thinking that I lost it. I was always using cardless services and lazy to go make a new card only to find that I am always carrying my card with me because I forgot that I had placed it inside my cellphone cover.

Q. If you could interview one person (dead or alive) who would that be (why)?
My late father. I would have loved to know about his journey in the mining industry. I never thought I would end up in this industry, so I did not have common career interests with my father when I was a child.

Q. If you could only drink one beer/cocktail for the rest of your life, what would it be?

I don't like drinking beer now, but I can say *Black Label* is the best

Q. If you were an animal what would you be (why)?

I honestly don't have a favourite animal

Q. If you were on death row, what would your last meal be?

Chips, Russian, Hotwings, and Coke

Q. What do you want to be remembered for?

My humility

Q. If you were stuck on an island what three things would you bring?

Family, Solar lamp and Alcohol

Q. If you were a rockstar, what would your stage name be?

Rabza M!

Q. Growing up, what was your dream career?

I wanted to be a Medical Doctor

Q. Why did you choose Rock Engineering as a career?

When I was a Geologist, I used to be interested in everything the Rock Engineering department was doing. I had the best time in RE when I was doing departments during my graduate programme. Their work looked attractive and fun. My geology reports were not just issued out with a "support as per RME recommendations" comment, but I would literally have detailed support instructions and mining strategies. I was advised by my ex-colleagues Shadrack Langa and the late Gordon Holder to consider RE as a career.

Q. What are 3 words to describe Rock Engineering?

Keeping openings open

Q. What do you find the most challenging of Rock Engineering?

Being in constant conflicts with the Mining Department when one has to stop unsafe conditions to ensure safe mining. Also, there are RE practitioners that don't share their knowledge with others. It is pointless to take all that knowledge and skills with you to the grave instead of leaving a legacy.

Q. What do you like most about Rock Engineering?

There are many ways to kill a cat. By this I mean in Rock Engineering there are many ways to get to a common solution.

Critical thinking is also important because whatever decision is taken, people's lives depend on it. We are the Marvel Superheroes of the mining industry.

Q. What are some areas that you believe will become of increasing importance in the near future of the rock engineering discipline?

Research and development of innovative solutions in this technologically advanced world. Mining of orebodies is going into deeper levels and we can start now by investing into developing models and mine designs that will be feasible for such environments before we even get to it.

Q. What is your view on the current spike on Fall of Ground Fatalities over the past two years?

I would like to believe that we were on a right track in reducing FOG fatalities in the past years, however, we could have let our guard down when the pandemic hit us in 2020. Most individuals' state of mind in the workplace must have been affected and thereby the emotional distress impacted our performance.

Q. What solutions do you propose to reduce the Fall of Ground Fatalities?

We need to identify and document leading practices that have the highest probability for reducing uncontrolled FOGs. A central database for all South African mines should be established where all FOG reports clearly outlining failure mechanisms and subsequent risk mitigation systems can be accessed. In this way, other business units can study this database and implement controls prior to experiencing their own incidents which could have been avoided. Also, frequent workshops should be hosted by leading organisations to discuss FOGs and everyone from a rookie to the highest expert should take part. Some smart individuals are usually not afforded the opportunity to partake in these workshops and that's probably where ultimate ideas are sitting.

Q. Who is your role model/mentor?

No one specific. I always find something to learn from every person that is around me, even from those I watch or listen to through media. As the saying goes "that every person who comes into your life is there to teach you a lesson"

Q. What is the best advice you have ever been given?

"You can't pour from an empty cup" – from my best friend

Q. What advice would you give to someone who wants to choose Rock Engineering as a career?

You can achieve anything if you put your mind to it. A great mentor who is highly experienced in the field will be of good use in your journey. Run your own race but don't be too relaxed. Just keep in mind that when you postpone any strata or RMC exam, then that delays your career development by half a year.

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WE ARE LOOKING FOR THE NEXT ROCK STAR

NOMINATIONS ARE NOW OPEN

WE ARE SEARCHING FOR THE NEXT ROCK STAR WHO IS GOING ABOVE AND BEYOND

Please send us your nominations of who you would like to see interviewed in the next issue of Rock Talk.

PLEASE INCLUDE THE FOLLOWING IN YOUR NOMINATION

- Name & Surname of Nominee
- Mining Operation of Nominee
- Designation of Nominee
- Nominee's contact details
- A short motivation as to why you have nominated the person.

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DAY OF LEARNING

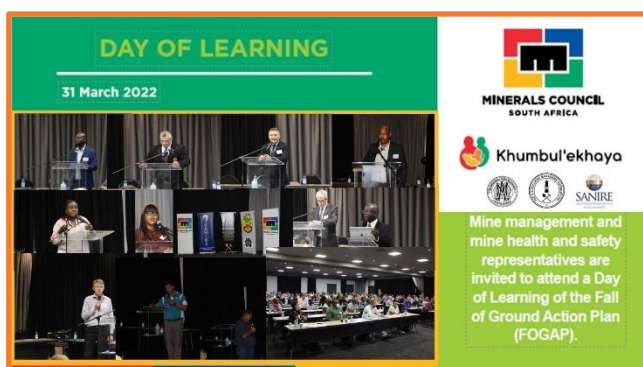
On 31 March 2022, in Johannesburg, the Minerals Council South Africa (MCSA) together with the professional associations AMMSA, SACMA and SANIRE hosted a day of learning on combating fall of ground risk in mines. The day of learning was attended by industry stakeholders from employers, labour representatives and supplier of services and products. The day of learning was organised as part of the Fall of Ground Action Plan (FOGAP). The FOGAP which is part of the Khumbule Khaya holistic approach on safety and health risk management, was commissioned by the Minerals Council CEO Zero Harm Forum which is made up by the Senior Executives of the MCSA members. The Deputy Chair of the CEO Zero Harm Forum Mr Japie Fullard, CEO of Glencor Alloys gave a keynote address to open the session.

The objectives of the day of learning was to introduce the South African Mining Industry (SAMI) to the FOGAP and have some of the mining operations and companies that are leading the way in combating fall of ground risk, share their insights and innovations. Colleagues from the MCSA's MOSH FOG team (Christopher Legodi and Adwoa Issaka) gave a picture of the industry performance regarding FOG safety in the SAMI and some insights from the frontline workers of some the challenges they face in managing FOG risk. These presentations laid the foundation for the focus areas that are presented in the Six (6) pillars of the FOGAP. Duncan Adams and Lerato Tsele presented the FOGAP to the attendees, giving a summary and aim of each pillar. The FOGAP can found on the MCSA website.

(<http://www.safetyandhealthinmining.co.za/component/downloads/send/4-factsheets/43-minerals-council-elimination-of-fog-fatalities-action-plan-infographic>)

The guest presenters on the day shared some of the work and initiative their companies and operations are doing in combating FOG risk and that are linked to the FOGAP pillars. The General Manager from Northam's Eland Mine presented the initiative that mine has undertaken to illuminate working places (stopes) in an effort to better improves FOG hazard identification and quality of support installation and drilling practices. The General Manager from Harmony, Willem Gouws who was instrumental in the implementation of the permanent stope nets at Bambanani Mine shared the experience on using a permanent in-stope net, which he said had resulted in many lives being saved during FOG incidents. Principal Rock Engineer from Anglo American Platinum, Riaan Carstens shared the journey the company is embarking on to develop a real-time monitoring device that can be used in the stope by the miner and the crew to give early warning of rock movements. Frik Fourie, Head of New Mining Technology at Anglo American Platinum shared research and innovations that the company is undertaking to create an enabling environment for workers to better execute FOG risk management systems. In closing, Dr Joseph Matjila, Group Safety and Health Manager from Exxaro gave an account of the company's improved safety performance through heart felt leadership.

Overall, the day was a success, with the Mentimeter survey and discussion sessions sparking fruitful and engaged discussion on how to improve safety. The attendees took away valuable learnings and hope of improved safety through collaboration and sharing of knowledge.



MESSAGE AND FAREWELL FROM ADAM COOPER



Adam Cooper has retired from the Education Portfolio as he has relocated to Australia. He left the members with the following message: "I would like to thank all SANIRE members for all the support over the years during my various roles on the SANIRE Eastern Bushveld Committee and SANIRE Council. A special thanks to everyone that has helped contribute to the success of the Education of the members i.e. those that have arranged and assisted in the Rock Engineering and SCO practical examinations over the years; the examiners and moderators of the theory examinations and to all that made contributions to the guideline documents.

Without such willingness of the members, Rock Engineering wouldn't have been able to achieve such success as it stands today. I wish SANIRE and the members a successful and blessed future".

Petrie Wessels, who retired as the Eastern Branch Chairperson in 2021, is taking over from Adam Cooper as the new Education portfolio holder. We wish Petrie all the best as the new SANIRE Council member and the role he is fulfilling within SANIRE.





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EXAMINATIONS

The mid-year examinations are upon us yet again. The first half 2022 Rock Engineering and Strata control theory exams scheduled, and examiners are as follows: Please note the changes on paper 1,3.1& 3.3 Moderators.

MAY 2022		
Exam	Examiner	Moderator
SCO Met	JC van Zyl	Lucas van Aswegen
SCO Coal	Rofhiwa Phadagi	Cassius Selai
P1	Halil Yilmaz	Gerrit Kotze
P2	Marius Stander	Shane Durapraj
P3.1	Kevin Le Bron	Paul Couto
P3.2	Nduduzo Khathi	Mandla Mazibuko
P3.3	Nkata Malitino	Jeanne Walls
P3.4	Anton Gregory	Peter Terbrugge

The service providers that are hosting the exam preparation classes, please remember to load the information on the SANIRE website free of charge to reach your audience. The link to the registration page is <https://www.sanire.co.za/events-calendar/event-submission>.

The screenshot shows the SANIRE website interface. At the top, there's a navigation bar with links: HOME, NEWS, BRANCHES, MEMBERSHIP, DOWNLOADS, EVENTS, EDUCATION, LINKS, ABOUT US. Below this is a breadcrumb trail: You are here: Home > Events > Event Submission. The main content area is titled 'Notification of event' and contains a form for submitting an event. The form has fields for: Event Category (Short Course), Event Title, Branch (Free State), Event Date, Venue, Area/Organisation, Host, Host contact details, Time, and Event website address. There's also a 'Short Description (150 words)' field. On the right side, there's a sidebar titled 'UPCOMING EVENTS' listing various events from March to July 2022, including the Eastern Bushveld Quarterly Meeting, MinCo Day of Learning, SCO Practical Exam, RETC Meeting, RE P1 Exam, RE P2 Exam, RE P3 Exam, SCO Exam, RE Practical Exam, Council meeting, RETC Meeting, and MPAS Presidents Meeting.

PHOTO COMPETITION!! ROCK MECHANICS CAPTURED IN A MOMENT

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SANIRE invites you to enter the Photo Competition and stand a chance to win!

Criteria

- All SANIRE members may enter any rock engineering or geotechnical engineering photo which is interesting, strange, fascinating or fun!!
- It has to be your own photo.
- Any number of entries.

Prizes

1st prize = R5000
2nd Prize = R3000
3rd Prize = R1500

Closing date

3 June 2022

How to enter?

Register and upload your photos on the SANIRE website entry form.

All Photos will be shared on the SANIRE website

CURRICULUM GAP-ANALYSIS WORKSHOP- REVIEW OF CURRENT MQA ROCK ENGINEERING LEARNING MATERIAL

In September 2021, the SANIRE council called a workshop to determine options for reviewing the existing study material and reimagining ways to develop competent rock engineers, with a subsequent workshop on 19 November 2021. The purpose of the workshop was to involve stakeholders from industry, educational institutions, and candidates in doing a curriculum gap analysis and reimagining ways to develop competent rock engineers.

The Fall of Ground task team identified six focus areas or pillars for eliminating ground-related incidents and accidents, one of which relates to skills development. SANIRE, as the voluntary association, plays a significant role in developing and upskilling its members and associates as well as industry role players.

Three questions were posed to the participants; why the need to review, what needs revision and how to approach the review process. The following three schematics summarise the answers to these three questions.



Why the need to review



Figure 2: What needs to be reviewed



How to review

From the findings of the workshop, the following proposal was approved by Minerals Council of South Africa and the RETC sub-committee:

The proposal only presents a framework. Finer details should be discussed individually by the parties involved in the design, development and implementation phases of the project.

Updating of the learning material for the current Certificate(s)

During the approval and registration of the 2019 Geotechnical practitioner qualification, gaps in the 2006 curriculum were identified and addressed. Hence the proposal presented here is not to re-write the curriculum nor to register a new qualification. It is also assumed that the approved Level 3 and 4 qualifications' content will not change.

The process presented proposes a framework to update the MQA material and revise the format be more accessible, usable, and readily available to the industry. The unstructured SCO material would then also be created and presented in an instructionally-designed format.

Establishment of Learner Management System

A learner management system (LMS) would in the long term greatly enhance the sustainability, maintenance, revision and management of content. Moreover, an LMS provides an inclusive accessible platform for students to an online and blended learning environment.

Instructional design

The modules as presented in the qualifications tables above should be developed to each consist of at least the following components: (UDL/LXD- template)

- Contextualisation of content - a visual / interactive representation of where content fits into whole. (Integrated Curriculum Map clearly

indicating constructive alignment between the learning outcomes, content, student activities and assessment)

- Learning content - Presenting the concept and theory associated with the topic
- Learning Activity - Activities to practice application of content covered, discuss application in different contexts, support constructive learning and develop transferrable skills
- Assessment Plan – Formative and Summative assessment opportunities (online/in class/ on site) clearly aligned with the learning outcomes of each qualification and appropriate to the level of complexity of the exit-level. (SAQA NQF Level Descriptors should be used as a guideline)
- Training of facilitators/Instructional Designers

Continuous learning and Short courses

As several SANIRE members are also associated with professional bodies (e.g. ECSA and SACNASP), staying current with the discipline is of great importance. Best practices and learnings from other practitioners should be easily disseminated. This could be achieved through the implementation of the LMS. Conference learnings, workshop outcomes or new best practices would be built into an e-Course and with completion of the module, credited with the professional body.

All the mining universities within South Africa are well equipped to assist in creating and hosting short courses that could be attended by industry. However, it should be noted that courses pitched at NQF Levels 4 and lower would not be considered by a tertiary institution, hence care should be given to the required exit level.

Coaching and Mentoring

A lot of the coaching and mentoring needs emerging from the workshop are not covered in current content and may require material development by experts outside of Rock Engineering. A significant part relates to "human" skills (also called soft skills and forms often part of the hidden curriculum).

SANIRE should manage the process as the association however access to training material as reference to the mentoring process could be easily rolled out when all is captured in an LMS. (The following can also be considered: Micro Credentialing/Badges)

Formal Learning Programmes for production personnel

Mining houses each have their own set of triggers and action response plans related to geotechnical hazards. Going out and reviewing each of these will not be possible. The proposal is to put together a guideline document explaining the fundamental geotechnical hazards, highlighting the major contributors to rock-related incidents and accidents. Each training facility could then align its learning material to the guideline.

SANIRE now waits on the decision from RETC to indicate the next steps.

SANIRE 2023 Diary

SANIRE invites all companies / suppliers to participate in the SANIRE Diary 2023 Project

What is the SANIRE Diary?

It is a great opportunity to partner with SANIRE to provide each SANIRE member with a free **guaranteed quality** diary in the last quarter of 2022.

Knowing each member will receive a diary, speaks for itself – you can market and brand your company / products to all members.

Inexpensive compared to issuing your own diary

COST?

R10 000 for a FULL A4 colour page
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CLOSING DATE?

17 JUNE 2022

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Example of Diary (above)





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- Support System Designs • Compliance Audits • Numerical Analysis
- Validation of mine design criteria • Technical investigations • Codes of Practice
 - Contract Rock Engineering Services (14.1(8) legal appointments)
 - The design and selection of support systems

SOFTWARE AND TECHNOLOGY

- Comprehensive statistical evaluation of datasets
 - Point Load Tester • Impact Split Testing
- Geotechnical mapping tools, both orientated and unorientated core
- Software: Dips, Slide, RSData, Unwedge, Swedge, RocPlane, UDEC, FLAC, MAP3D, RS2, RS3, @Risk & Microsoft Projects • Borehole Camera

TRAINING SERVICES

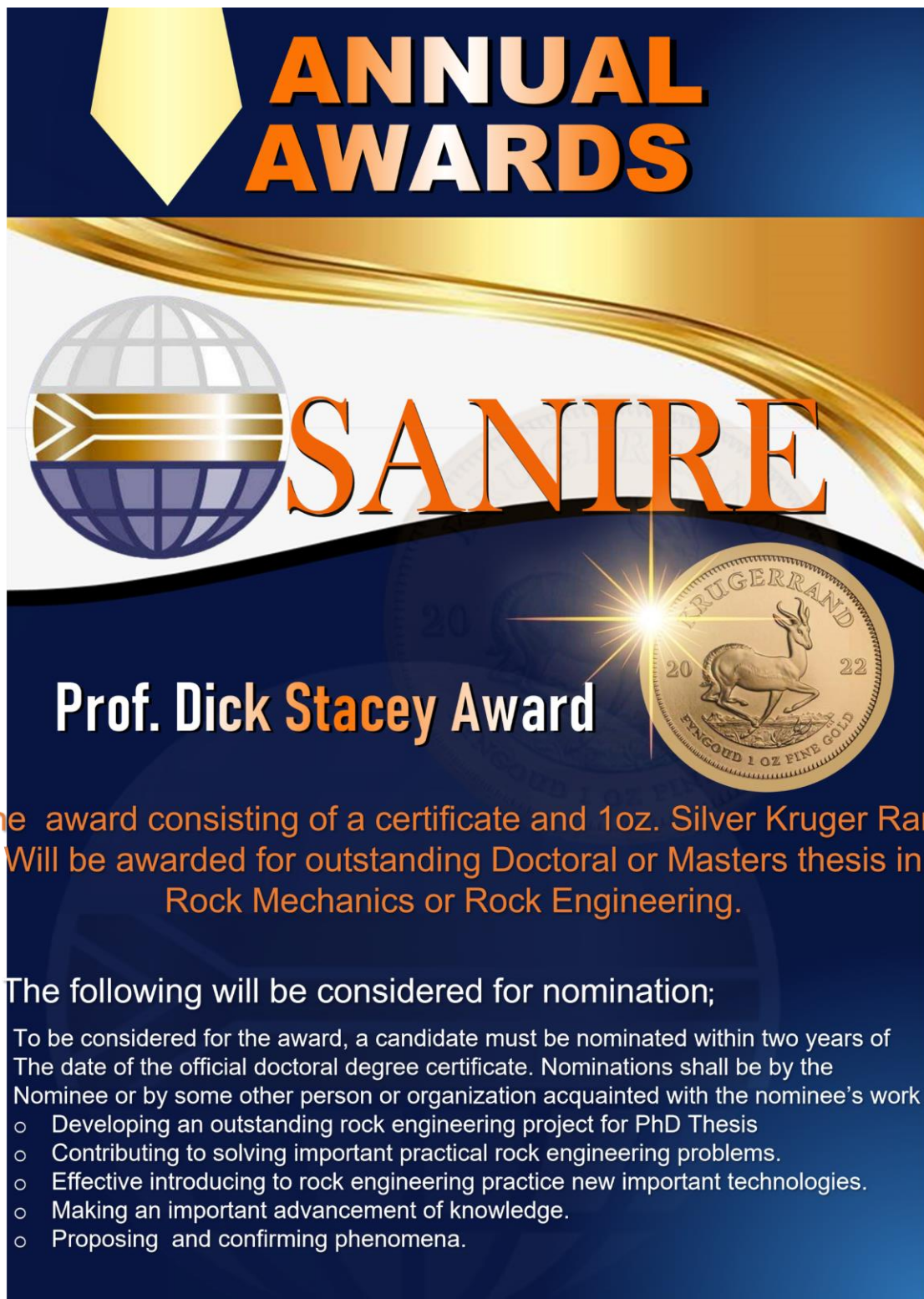
- COM Strata Control Certificate theory and practical exams
- COM Rock Engineering Certificate theory exams • Geotechnical logging, scanline and window mapping, and sample collection
- Training in the use of geotechnical 2D & 3D modelling software

For further information please contact us on 011 662 2847 | admin@middindi.co.za

Willowbrook Office Park, 15 van Hoof Street, Ruimsig, 1724



www.middindiconsulting.com



ANNUAL AWARDS

SANIRE

Prof. Dick Stacey Award

The award consisting of a certificate and 1oz. Silver Kruger Rand Will be awarded for outstanding Doctoral or Masters thesis in Rock Mechanics or Rock Engineering.

The following will be considered for nomination;

To be considered for the award, a candidate must be nominated within two years of The date of the official doctoral degree certificate. Nominations shall be by the Nominee or by some other person or organization acquainted with the nominee's work

- Developing an outstanding rock engineering project for PhD Thesis
- Contributing to solving important practical rock engineering problems.
- Effective introducing to rock engineering practice new important technologies.
- Making an important advancement of knowledge.
- Proposing and confirming phenomena.

ANNUAL AWARDS

PRESENTED BY



SANIRE

SOUTH AFRICAN INSTITUTE OF ROCK ENGINEERING

Lelanie Prinsloo Technological Innovation Award

It will be awarded to a SANIRE affiliated company or member who has made a significant contribution towards innovation or new technological Research or development in the rock engineering industry. Nominations can be submitted by any company or member.

The award consisting of a certificate, Trophy, One-year free SANIRE advertising in the SANIRE newsletter, will be presented by SANIRE President during the annual general meeting.

Criteria

It is awarded to a deserving company or individual who have made the most Valuable contribution in one or more of the following:

- Development and application of new testing system.
- Development and application of new methods.
- Development and application of new technologies.
- Development and application of new material or product.
- Promoting a good practice with innovative technologies and management to reduce time and cost of rock engineering project
- Promoting a good practice with innovative technologies and management to enhance health and safety project.

SANIRE SYMPOSIUM 2022
28 & 29 JULY

PAST, PRESENT AND FUTURE IN ROCK ENGINEERING



SANIRE
SOUTH AFRICAN NATIONAL INSTITUTE
OF ROCK ENGINEERING



EMPERORS PALACE CONFERENCE CENTRE
KEMPTON PARK

The South African National Institute
of Rock Engineering is announcing the
SANIRE Symposium 2022
PAST, PRESENT AND FUTURE
IN ROCK ENGINEERING

You and your colleagues are invited to this unique event to reunite with the industry partners to reflect on how rock mechanics have evolved and exchanging new ideas and exploring the future in this field.

The Symposium will be targeted at all colleagues in the rock mechanics industries or professions. It will also benefit Interested practitioners, researchers, managers and others in the field of Rock Engineering.

Presentations will be arranged over two days.

The annual SANIRE RockBowl will be hosted on the afternoon of the 28th July 2022, followed by a Presidential Dinner in the evening.

You and your colleagues are invited to this unique event to reunite with the industry partners to reflect on how rock mechanics have evolved and exchanging new ideas and exploring the future in this field.

The Symposium will be targeted at all colleagues in the rock mechanics industries or professions. It will also benefit interested practitioners, researchers, managers and others in the field of rock engineering.

WHO SHOULD ATTEND

The Symposium will be targeted at Rock engineering Professionals, Practitioners, Researchers, Managers and others in the field of Rock Engineering.

OBJECTIVE

The purpose of this event is to broaden participation and learning by opening the opportunity for innovative and challenging material that would not otherwise be available in other formats.

CALLING FOR PRESENTATIONS

The symposium theme include, but is not limited to the latest advances in rock mechanics, modernized design approaches, back to basic rock engineering, environmental and safety risk management and interesting case studies in all rock mechanics industries.

JOIN US AS A SPONSOR!

We offer several kinds of sponsorship possibilities in SANIRE SYMPOSIUM 2022. This is a great opportunity to have visibility and showcase your company or organization and your contribution to the rock mechanics industry.

FOR MORE INFORMATION, CONTACT

Mbalenhle Buthelezi: t: (+27) 11 568 20529 e: mbalenhleb@mpas.org.za
W: www.sanire.co.za f: @SANIREofficial

PAST, PRESENT AND FUTURE IN ROCK ENGINEERING

EMPERORS PALACE CONFERENCE CENTRE
KEMPTON PARK

WE ARE CALLING FOR PRESENTATIONS

The South African National Institute of Rock Engineering is calling for presentations to the SANIRE Symposium 2022. We want to learn from the past, understand the current challenges and advances but also look at future Rock Engineering

In an effort to respond to ideas coming from SANIRE members the 2022 Symposium will feature an opportunity for expanded participation in the programme through presentations. The aim of the Symposium is to broaden participation and learning by opening an opportunity for innovative and challenging material that would not otherwise be available in other formats. The Symposium will be held from the 28th to 29th July 2022 at Emperors Palace Conference Centre, Kempton Park. Interested practitioners, researchers, managers and others in the field of Rock Engineering can create meaningful dialogues by sharing their knowledge through presentations during the Symposium.

SANIRE appreciates all submissions on Rock Engineering, with particular emphasis on:

- Research and Development
- Innovation
- Rock Engineering Techniques
- Historical case studies
- Best practice learnings

KEY DATES:

Submission Deadline: 27 May 2022

Notification of Acceptance: 17 June 2022

Each presentation abstract will be reviewed by at least three members of the SANIRE Council and reviewed based on a range of parameters. Presentations will be competitively evaluated using:

- Technical soundness
- Innovation in topic and approach
- Creative and compelling content
- Effective use of case studies and literature

NOTE:

Presentations that are not Rock Engineering related or are sales pitches for products or services will not be considered, unless otherwise agreed to by SANIRE Council as a sponsorship package.

SUBMISSIONS CAN BE MADE TO:

Mbalenhle Buthelezi Tel: 011 568 2054

Email: mbalenhleb@mpas.org.za

On behalf of the SANIRE President and Council, we look forward to receiving your abstracts.

Sincerely,

Lizelle Prinsloo

SANIRE President



FOR MORE INFORMATION, CONTACT
Mbalenhle Buthelezi: t: (+27) 11 568 20529 e: mbalenhleb@mpas.org.za
W: www.sanire.co.za f: @SANIREofficial



WE ARE CALLING FOR EVENT SPONSORSHIP

Dear Sir / Madam

The South African National Institute of Rock Engineering Symposium is a forum for Rock Engineering Practitioners to showcase their technical abilities and skills to the industry over a period of two days. Participants and Presenters network, share ideas, knowledge and practices, whilst learning more about the most recent innovations, trends, experiences and concerns in Rock Engineering. In an effort to respond to ideas coming from SANIRE members the 2022 Symposium will feature an opportunity for expanded participation in the programme through presentations. The aim of the Symposium is to broaden participation and learning by opening an opportunity for innovative and challenging material that would not otherwise be available in other formats. The Symposium will be held from the 28th to 29th of July 2022 at Emperors Palace Conference Centre, Kempton Park, Johannesburg. Interested practitioners, researchers, managers and others in the field of Rock Engineering can create meaningful dialogues by sharing their knowledge through presentations during the Symposium.

I am writing this letter to invite you to be a Co-Sponsor and or support this event. As a leader in the industry, your involvement with us in the SANIRE Symposium is an opportunity for your organization to receive exposure and to join other individuals, organisations, and coalitions in our association to educate Rock Engineers on current topical issues within the industry. The theme for the SANIRE Symposium is **"PAST, PRESENT AND FUTURE IN ROCK ENGINEERING"**

EXHIBITORS

GOLD PACKAGE
PLATINUM PACKAGE
SILVER PACKAGE
PRESIDENTIAL DINNER
ROCKBOWL

The purpose of this event is to broaden participation and learning by opening the opportunity for innovative and challenging material that would not otherwise be available in other formats. Community sponsors are the primary source of funding for this event and will help ensure its success. Beyond your sponsorship, we welcome you to join us by participating in the SANIRE Symposium.

We look forward to hearing from you.

For more information about this event, please contact:

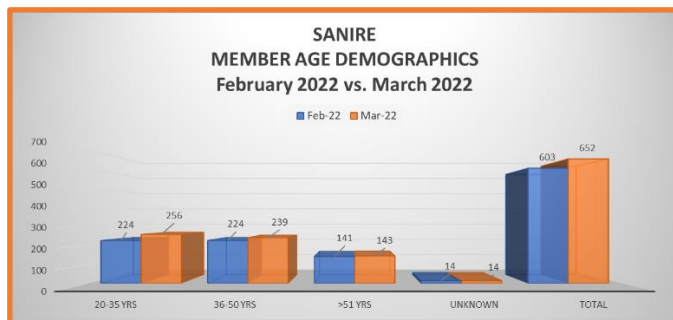
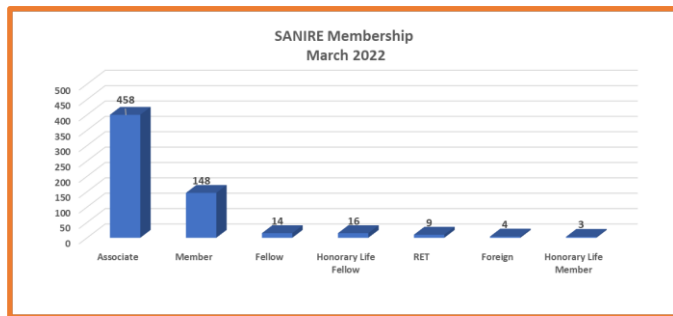
Mbalenhle Buthelezi
Tel: 011 568 2054
Email: mbalenhle@mpas.org.za

On behalf of the SANIRE President and Council, we thank you for your support.

Sincerely,
Lizelle Prinsloo
SANIRE President

FOR MORE INFORMATION, CONTACT
Mbalenhle Buthelezi: t: (+27) 11 568 20529 e: mbalenhle@mpas.org.za
W: www.sanire.co.za f: @SANIREofficial

MORE ABOUT SANIRE



SANIRE VISION, MISSION, & VALUES

Vision
To actively promote the South African rock engineering profession.

Mission
SANIRE promotes the advancement of the rock engineering discipline by encouraging and promoting:

- Interest and the development of education in rock engineering
- Professional practice and high ethical standards
- Networking, collaboration and information exchange
- Research areas

Values

- Honesty
- Integrity
- Professionalism
- Accountability
- Transparency

EDITORS CORNER



This is our newsletter and SANIRE would like to hear from you.

If you have any information or stories you would like us to include in the next newsletter, please submit them via email to mbalenhleb@mpas.org.za, Thovhedzo.Gcuda@Seritiza.com and lizelle.prinsloo@angloamerican.com

Remember to visit all our media platforms.

Facebook: [@SANIREofficial](https://www.facebook.com/SanireOfficial)
(<https://www.facebook.com/SanireOfficial>)

LinkedIn
www.linkedin.com/company/south-african-national-institute-of-rock-engineering

Website - www.sanire.co.za

FOR MORE INFORMATION, CONTACT SANIRE

Mbalenhle Buthelezi

Association Secretary

Tel: (+27) 11 568 2050 | (+27) 11 568 2054

Email: mbalenhleb@mpas.org.za | info@sanire.co.za

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