

NEWSLETTER

Promoting the study and advancement of Earth Sciences since 1895



FREE

AN INTRODUCTION TO DRILLING

2 AUGUST 2022

REGISTER NOW



The planning for Geocongress is progressing well. The hybrid event is scheduled for January 11-13 at Stellenbosch University and abstract submission is live, with early bird delegate registration to open August 8. The registration fees have been set as low as possible to make the meeting affordable for students in particular. Inexpensive university housing will be available to those on tight budgets. For those who would like to provide sponsorship or exhibit at Geocongress, please contact craig.smith@gssa.org.za.

Geocongress is a great place to let the geology community know what you are researching, as well as being the first real face to face networking opportunity since the beginning of the COVID pandemic. Submit your poster or oral presentation abstract as soon as possible! - <https://allevents.eventsair.com/geocongress/>

We are now more than halfway through 2022 and a number of members have not yet paid their GSSA fees for 2022. You are urged to do so as soon as possible. If you need to make payment plans please contact accounts@gssa.org.za.

Craig Smith

INSIDE THIS ISSUE:

- President's Column
- GSSA Award Winners
- 2023 GSSA courses survey
- Past courses recordings
- Events Student Sponsorship
- Geongress 2023 - Abstract submission now open
- 2022 GSSA Annual Report
- Membership Benefits
- New Members July
- GSSA Upcoming Events
- Sponsorship Opportunities
- Colin Rice Drilling
- Groundwater Webinar
- SAMCODES online webinar
- NSTF Awards
- Wits Mining Seminar



PRESIDENT'S COLUMN - TANIA MARSHALL

With Women's Day in South Africa falling on August 9th, the whole month of August has been set aside to pay tribute to women who were involved in a political protest. It is interesting to note that international women's day falls on March 8th in 2022, as a day to celebrate the social, economic, cultural and political achievements of women. Incidentally, there is an international Men's Day too, celebrated on 19 November every year - although I have to admit to thinking that every day is Men's Day!

In this column this month, I would like to pay tribute to all the women in the geosciences - those who lead by example; those who juggle work and family life; those just starting out on a career without knowing exactly where they are going to find themselves this time next year; those who are struggling to find jobs in their chosen fields; women in academia, in industry, in State departments or in regulatory organisations; and the multitude of female support and administrative staff, without whom the wheels of industry would grind to a halt. Not to forget those women who accompany their menfolk to remote field camps or to mines, far from their families and city comforts. Also (especially?) those grass widows who manage house and home while their husbands work away for extended periods.

Women no longer just follow in the mining/geoscience industry. They are leaders too, providing role models for younger graduates just starting out in the industry, not only as captains of industry, but also as successful businesswomen and entrepreneurs. They also act as mentors, providing guidance and assistance to the next generation. Women make up some 10-20% of the global mining workforce and are growing in ability, competence and expertise each year. The mining world is full of "strong women - women who live bravely, women of indomitable will" (Amy Tenney).





TAKE OUR SURVEY



**What courses/workshops/seminars,
etc would you like to see the GSSA
offer in 2023.**

Please complete the following short questionnaire and
have your say.



GSSA Award Winners

The Council of the GSSA ratified the 2022 student and professional awards proposed by the Fellows Committee, and were announced at the AGM on July 14. **Congratulations to the winners!**



The winners of the student awards are **Ryan Rosenfels** of Stellenbosch University (John Handley award), **Rutger La Cock** of Stellenbosch University (Haughton award), and **David Russo** of University of the Witwatersrand (SACNASP award). B von der Haven supervised both of the Stellenbosch students and G Drennan supervised the Wits student.

The winners of the professional awards are **RE (Jock) Harmer** (Des Pretorius award), and **Judith Kinnaird and Paul Nex** (joint winners of the Draper Medal).

The Jubilee Medal for the best paper in the South African Journal of Geology was awarded to **Stephanie Scheiber-Enslin, Musa Manzi and Susan Webb** for their paper "Seismic imaging of dolerite sills and volcanic vents in the Central Karoo, South Africa: implications for shale gas potential", 2021, vol 124(2), PP 465-480.

Benefits of GSSA Membership



Professional Code of Ethics

- Professional norms and behaviours backed by a robust Complaints process



Continuing Professional Development

- Members can choose to record CPD credits on either GSSA or SACNASP website and be mutually recognised.



Technical/Scientific Meetings



- Live and recorded events to learn at your convenience.
- Looking for new ways to present events (hybrid?).
- Networking events coming soon



Branches & Divisions

- Support for wide-ranging interests

Geobulletin/Newsletter

- Know what is happening in the geoscience universe



REI Fund

- Access to funds for research activities



SA Journal of Geology

- Internationally recognised and accredited journal
- Journal archives back to 1895
- Relationship with Geoscience World



Recognised Professional Organisation

- Training & support for Competent Persons.
- Associated with CRIRSCO and IMVAL.
- Promotes international reciprocity



Mentorship Opportunities

- Opportunities for personal growth and also to give back



International/Regional/Local Alliances

- Founder member of Global Geoscience Professionalism Group.
- Numerous sister organisations and relationships with other regional and international geoscience organisations.

Benefits of GSSA membership – providing you with a professional home

STUDENT MEMBERSHIP BENEFITS

Student Membership is FREE

50% discount on all publications

Reduced Rates (often FREE) for virtual, contact and hybrid events

Opportunities for funding research costs through REI Fund

Automatic inclusion in the Young Professionals Division of the GSSA

Fulltime MSc and PhD Students retain (FREE) student membership status

Easy transition to full corporate membership on graduation (only one reference required)

No membership costs for one full year on transfer to full membership.

Preferential access to limited mentorship opportunities through the SACNASP Candidate Mentoring Programme



REGISTER NOW



Missed our
past **2022**
online
courses



RECORDING LINK AVAILABLE FOR PURCHASE

[CLICK HERE](#)

Once you have completed viewing, please send an email to info@gssa.org.za and a certificate will be sent to you to claim CPD points.

MINROM
Managing Mineral Resources Act

**PRACTICAL GEOLOGICAL
MAPPING TO MAP MAKING**
07 - 08 JULY 2022

CPD POINTS
16 GSSA
2 SACHASP

[REGISTER NOW](#)

**DIAMONDS FROM EXPLORATION
TO MANUFACTURING**
20 - 30 JUNE 2022

SADD
SOUTH AFRICAN DIAMOND SOCIETY
FOR THE ECONOMIC DEVELOPMENT OF THE
DIAMOND INDUSTRY

CPD POINTS
GSSA - 32
16 Part A or B
SACHASP - 4
2 Part A or B

[REGISTER NOW](#)

ONLINE PRESENTATION SERIES

GSSA
Geological Society of South Africa

FREE STUDENT ATTENDANCE
GSSA ONLINE EVENTS

The GSSA, in conjunction with their event partner(s), will sponsor a limited number of students for selected online courses in 2022.

Requirements and application procedures
[CLICK HERE](#)

www.gssa.org.za



GEOCONGRESS 2023 11-13 JANUARY

Abstract submissions are now open!!

After a second call for additional conference sessions, we are very pleased to announce that the **Call for Abstracts is now OPEN!** We are very excited about the program which comprises a diverse array of offerings and caters to all southern African and international geoscientists, researchers and industry professionals.

Abstracts can be uploaded directly through the portal on the Geocongress website (follow link: <https://allevents.eventsair.com/geocongress/abstracts>) and abstract submissions will be open until **30 September 2022**. With Covid restrictions now lifted, we actively encourage a large in-person contingent which will really facilitate meaningful interactions and discussions around our exciting field of science. However, the event will be in hybrid format, and remote attendees will have an opportunity to present their work using a hybrid-type format.

Environmental	Geobiology
	Acid mine drainage and other mine pollution issues
	Environmental Geochemistry
	Geoscience for a sustainable energy-environment nexus
	Current and future outlook for Carbon Capture and Storage in South Africa and abroad.
	Advances in Southern African Hydrogeology
Energy	Future of petroleum geosciences in Southern Africa
	Solid fossil fuel resources
Igneous	Diamonds, kimberlites and cratonic lithosphere: a session in honour of John J. Gurney
	Advances in Bushveld Petrogenesis and Ore Genesis
	Igneous beyond the obvious
	Felsic rocks of the Bushveld complex: Petrogenesis and metallogeny
Metamorphism	Differentiation of the Earth's crust at the metamorphic:igneous interface
Earth Evolution	Archaean Processes and Environments
	The Proterozoic of Africa
	Central Africa
	Africa's Phanerozoic tectonic evolution and associated magmatism
Planetary	Planetary Geology: Earth, Moon and Beyond
Ore and structure	Applied Mineralogy Session
	Sediment-hosted ore deposits
	Ore-structure relationships
	Tectonics, Seismology and Geological Hazards.
Sedimentary	Detrital Zircon: Methods, problems, applications
	Sedimentary basins in Southern Africa
Society	Geoscience and society
	The Future Geoscientist



Stellenbosch
UNIVERSITY
UNIVERSITEIT

The next 125 years of Earth Sciences



Events



[SPONSORSHIP OPPORTUNITIES](#)

[EVENTS CALENDAR](#)

[VIRTUAL TALKS CALENDAR](#)

[GSSA YOUTUBE CHANNEL](#)

UPCOMING EVENTS

An Introduction to Drilling	2 August
Green Energy Day	30 August
3D Geomodelling	7 October
Drilling Methods and Techniques	13 September - 04 October
ESG Inquisition Feedback	08 November
African Exploration Showcase	17 - 18 November

**ANNUAL
EVENT
SPONSORS**



AN INTRODUCTION TO DRILLING

02 AUGUST 2022

REGISTER NOW



CPD POINTS

8 GSSA

1 SACNASP

FREE ONLINE WORKSHOP

CALLING ALL STUDENTS, MENTEES AND YOUNG GRADUATE PROFESSIONALS

Although the workshop is free, it is essential to register to receive your unique login code and the recording of the workshop. In order to receive a Certificate of Completion, you will be required to attend the entire day and write (and pass) a short assignment based on the course content.

- If you miss parts of the course due to loadshedding or internet connectivity issues, you may catch up on the recorded version and still receive your CPD credits upon completion of the assignment. All registered delegates will receive a link to the course recording within 48hrs.
- The assignment will comprise two (2) essay-type questions and a Survey Monkey questionnaire which will be supplied at the end of the workshop. Delegates must submit their answers in the supplied format within one week of the course (by 17h00 on 16 August 2022).

GREEN ENERGY DAY

30 AUGUST 2022

CPD POINTS

GSSA - 8

SACNASP - 1

REGISTER NOW



PRELIMINARY PROGRAMME



The Critical Role of the Minerals Industry in South Africa's Green Energy Future

Is a full transition to green energy feasible for South Africa and, if so, how long will it take and what is the role of the Minerals Industry in a new energy future for the country?

Internationally, energy generation is closely linked to the socio-economic and infrastructural development of a country. The South African economy is energy intensive, registering the highest per capita greenhouse emissions on the continent, with coal making up 80% of its electricity.

In contrast, South Africa has one of the largest natural solar, wind and wave power generation potentials in the world, but is hamstrung by its lack of critical materials necessary to leverage green power technology.

How will the Minerals Industry respond to these challenges and opportunities?

Join industry experts, as we debate these critical questions and attempt to discover the best way forward in an exclusive online workshop covering topics such as:

Critical Raw Materials and the Energy Transition | Green Minerals | Carbon Markets
Oil & Gas Industry Value Chain | How Investors view Renewables
And many more...



MEMBER - R1 000 | NON MEMBER - R1 500 | ACADEMIC/RETIRED - R500

Free for all Registered Students



DRILLING METHODS & TECHNIQUES IN RESOURCE EXPLORATION 13 SEPTEMBER - 04 OCTOBER 2022

CPD POINTS
16 GSSA
2 SACNASP

ABOUT THE COURSE

Frequently, new geologists are placed on drilling projects with very little understanding of the drilling operation. In order to effectively contribute to managing the project, geologists require at least a basic level of understanding of drilling principles and the drilling operation as a whole.

This course, provided by **Colin Rice**, will provide newly qualified geologists, that have had little or no exposure to drilling operations, with a fundamental understanding of selected aspects of a drilling operation.

The course is a combination of online, self-directed learning and virtual contact sessions where concepts can be discussed and clarified, questions can be answered, and practical applications of the concepts can be discussed.

Delegates will have access to a discussion forum, printable notes in pdf format and support sessions throughout the course.

REGISTRATION FEE

Member - R3000 | Non Member - R3500 | Student/Retired - R2000

Click here to
REGISTER

3D GEOMODELLING

07 OCTOBER 2022

REGISTER NOW



CPD POINTS

8 GSSA

1 SACNASP

ABOUT THE WORKSHOP

Recent trends in mining and exploration are set to further accelerate the demand and growth of 3D geological modelling software. These trends include the inevitable increase in cost per ton of resource and global economic slowdowns.

These require companies to constantly cost-cut during extraction and to improve resource delineation. Add to this the trend that new discoveries are deeper and in more structurally-complex setting, and it's apparent that a great deal of attention needs to be focused on getting the geometry of a deposit, as early as possible in the exploration and mining value chain, correct.

REGISTRATION

Members - **R3,000** | Non-Members - **R3,500** | Students/Retired/Academic - **R2,000**

READ MORE >>

The GSSA, in conjunction with their event partner(s), will sponsor a limited number of students. Click [here](#) for the application form.

Applications open on 07 September 2022

DRILLING SKILLS FOR GEOLOGISTS

**PROUDLY
ENDORSED BY THE
GSSA**

REGISTER NOW



CPD POINTS

40 GSSA

5 SACNASP

ABOUT THE CERTIFICATE PROGRAMME

This virtual course has been designed to improve the candidate's understanding of the fundamental processes involved in drilling boreholes and to develop the candidate's effectiveness in identifying the source of problems and managing a drilling project.

The program also examines fundamental aspects of the use and application of drilling fluids and the principles of borehole surveying. A course on economic aspects focusses on the major cost drivers and the structure of drilling contracts.

Who should register

This certificate program is designed for geologists, geological technicians, safety personnel, project managers and engineers who need a deeper understanding of the principles and processes involved in drilling boreholes.

The intake dates for this year are

- 28 January
- 4 April
- 6 June
- 5 September

Membership

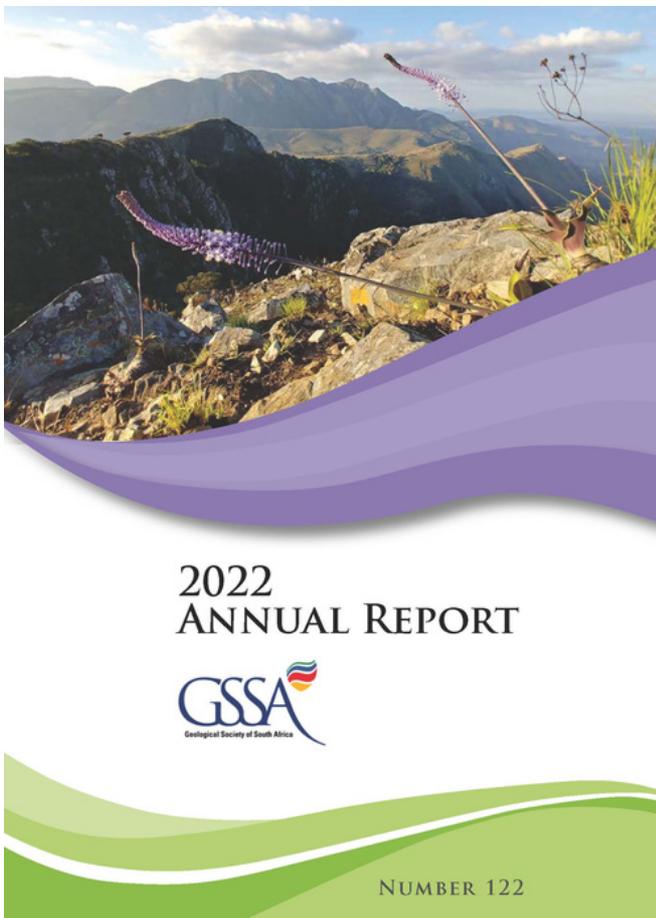
Ratified by Council - 29 July

NEW MEMBERS

Makubeng Maja, Rinequincy Ndou, Nosipho Nkosi, Ashael Ramiah, Marumo Ntsoane, Itumeleng Seabelo, Kelebogile Sediela, Reneilwe Shadung, Kgabo Sephesu, Charl Zietsman, John Roff

NEW STUDENT MEMBERS

Warrick Daws, Kereemang Gaoaaga, Jessie Kanyerere, Jan Malepe
Ethan Mack, Rudzani Madzivha, Mpho Makatu, Jan Malepe
Siphiwe Malimba, Vhengani Mbedzi, Cameron McClaren,
Tshimangadzo Ndou, Tariro Mombe, Rolivhuwa Mulaudzi,
Brian Nhlapo, Puleng Rakololo, Brielle Naidoo, Thabang Selamolela,
Nontobeko Sibanyoni, David Van Niekerk



READ MORE >>

PAY YOUR MEMBERSHIP FEE

[CLICK HERE](#)



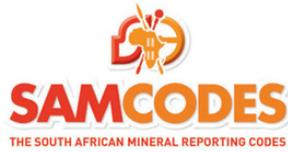
DOWNLOAD YOUR MEMBERSHIP CARD

[CLICK HERE](#)

MEMBERSHIP APPLICATION

[CLICK HERE](#)

SAIMM
Online Webinar



Implications of S-K1300 regulations and disclosures for dual-listed companies on the JSE and NYSE

5-6 September 2022
Online via Zoom



READ MORE >>

START DATE
26 September 2022

END DATE
30 September 2022

R18,732.00

THIS COURSE IS AVAILABLE ONLINE

COMPLIANCE AND REPORTING RULES IN THE MINERALS INDUSTRY MINN7052A

READ MORE >>

WITS MINING INSTITUTE SEMINAR

Turning research curiosity into 21st Century minerals industry performance, relationships and technology

27 - 29 SEPTEMBER 2022

READ MORE >>



NSTF-South32 Awards

AWARDS

CURRENT WINNERS - 2021/2022

READ MORE >>

The NSTF-South32 Awards – for outstanding contributions of teams, organisations and individuals to science, engineering, technology and innovation in South Africa.

The announcement of the 2022 winners took place on Thursday 21 July 2022.

Webinar: Unpacking the Role of Groundwater in Water Security (SACNASP)

Webinar invitation: Unpacking the Role of Groundwater in Water Security

02 Aug 2022 10:00 - 02 Aug 2022 11:00

Online Event

Workshop

REGISTER NOW

