



# NEWSLETTER

Promoting the study and advancement of Earth Sciences since 1895

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## GEOTECHNICAL WORKSHOP

14 JULY 2021



**Craig Smith**

The COVID pandemic continues to complicate our lives, with the proliferation of the Delta variant forcing more lock down restrictions. Gauteng is particularly badly affected. The GSSA events offerings still remain mostly on-line only for the time being, so check the calendar for upcoming meetings and lectures.

Geocongress has been pushed back to 2023, and we sincerely hope to be able to organize as a full contact event by then. We had planned to stage a series of on-line lunchtime lectures as a prelude to Geocongress 2023, but have cancelled those events. Schedules of session chairs, speakers and delegates are too uncertain at the moment. The Advanced Structural Geology Field event is still planned for the end of August, depending on the course and severity of the pandemic at that time. For those of you who may have been planning to attend the Kimberlite Conference in Yellowknife next year, please be aware that the event has been postponed for another year until 2023.

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In mid-July Sifiso Siwela steps down as president of the GSSA, and Tania Marshall will take over. Thank you Sifiso for two years of great leadership, and welcome to Tania in her new role!



Farewell Note  
Outgoing GSSA President

Fellow Members,

My 2-year tenure as President has come to an end and I therefore would like to thank you all for this once-in-a-lifetime opportunity.

The theme during my tenure was “relevance” and the Society carry out this vision under the difficult circumstances.

Being President during one of the toughest periods in history has been truly challenging, but I could not have things any other way as this time really pushed all of us to find innovative ways of accomplishing aspects of this great mission. Members can find on more detail on some of these accomplishments in the June 2021 issue of Geobulletin.

I appreciate the support of the office staff Craig, Lully, Sally and Marliese. I would also like to thank Council for their continued support, as well as the membership for suggestions and constructive criticism. I am eternally grateful to MANCO for their tireless efforts and pulling weight during this time.

I would like to thank Tania for accepting the role and continuing the mission; I guarantee that the Society is in good hands.

Rest assured that I will continue to support the Society.

Yours in safety,  
Sifiso Siwela.



The President of the Geological Society cordially invites all Members and Fellows to the

**121st VIRTUAL  
ANNUAL GENERAL MEETING**

15 July 2021

**17:00 - 18:30**

**REGISTER HERE**



The Protection of Personal Information Act comes into effect in South Africa on July 1. The GSSA maintains a secure database of member contact details and other personal information, as well as a mailing list for electronic communication. We wish to assure the membership that the GSSA is compliant with POPI, and regularly updates its security.

The GSSA does not on-sell contact addresses, phone numbers or any other information to third parties for any reason whatsoever, and further tries to limit the amount of email sent out. We realize that everyone's in-trays are full. You should be receiving not more than a few messages per week from the GSSA. The messages include the events mailer sent out every Thursday, the Newsletter sent at the end of every month, and the occasional important message.

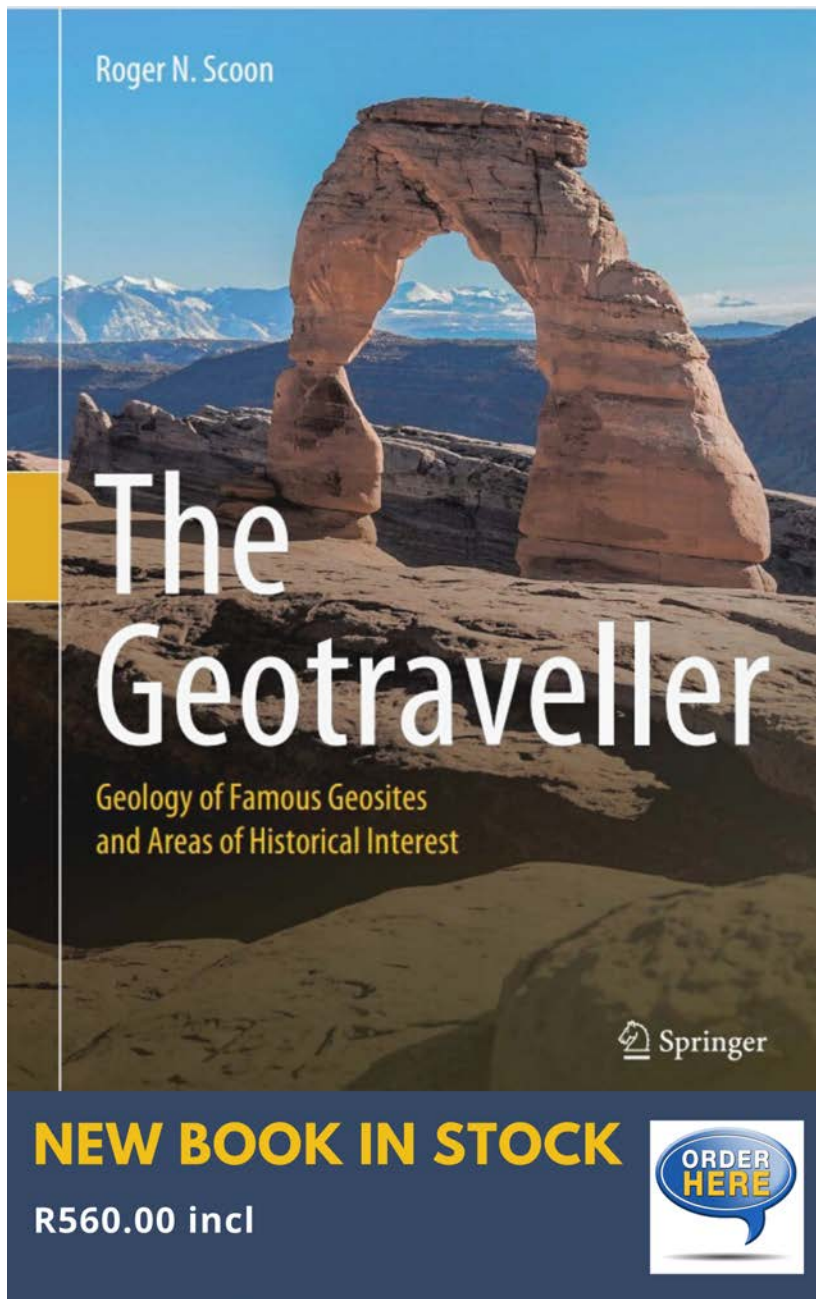
If you wish to unsubscribe to the GSSA email notices, click on the unsubscribe button below. Otherwise, we will continue to keep you updated about news and events.

A common complaint that we receive is that recipients are not receiving notices, usually after changing their email addresses. If you change your email address for whatever reason, and you want to continue to receive notices, please notify [info@gssa.org.za](mailto:info@gssa.org.za) of your new address details.

**No action is required if you wish to continue receiving emails from the Geological Society of South Africa.**

**Unsubscribe**





### **The Geotraveller**

Geology of Famous Geosites and Areas of Historical Interest

- Gives an illustrated overview of the geology of world-famous geosites
- Blends geology, archaeology, history and mythology
- Illustrates the relationship between geology and landforms that triggered historical events
- Includes photographs and simplified geological maps
- Promotes geotourism

This book describes famous geosites and historical localities in national parks and conservation areas from North America, East Africa, and Europe.

The geosites include iconic landforms associated with active volcanoes, canyons, glaciated landscapes, natural rock monoliths, and rifts. The potential for geotourism in historical localities such as the famous Greco-Roman antiquities of Greece, Italy, and Turkey, is emphasised. Some of the geosites and historical localities provide evidence that previous civilizations coped with active geology and major climatic cycles, whilst others reveal evidence of famous geological events recognized in history and ancient mythology that helped shape our current civilization.

The book assists tour guides and visitors (both geologists and non-specialists) interested in geotourism by providing an understanding of geological processes in the national parks and historical locations with the assistance of photographs and simplified geological maps.



## VP - MEETINGS NOLEEN PAULS

[CALENDAR OF  
EVENTS](#)

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SPONSORSHIP  
OPPORTUNITIES](#)

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## ANNUAL EVENT SPONSORS

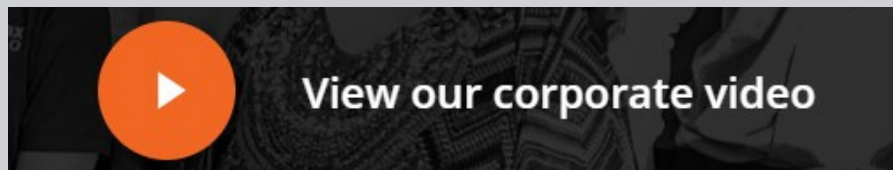


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<https://www.ucpafrika.com>

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and presentations](#)

## GEOTECHNICAL WORKSHOP

14 JULY 2021 | 8AM - 4PM

8 GSSA  
1 SACNASP  
CPD  
POINTS

Geotechnical engineering is a symbiotic discipline between geology and engineering. Geotechnical investigations define near and sub-surface soil and rock properties to enable planning for a wide variety of fields e.g., infrastructure, mine planning and development, municipal and industry service pipelines, dams, roads etc. Risk mitigation and management is at the heart of this discipline. A competent geotechnical investigation can reduce project costs, inform risk management strategy development and can be fundamental to project success or failure.

This 1-day workshop is aimed at entry level geologists and geotechnical engineers as well as industry specialists. The programme will introduce the legal requirements of geotechnical investigations and reporting, the methodology of hard rock and soil profiling and 3D modelling of geotechnical data. A variety of case studies will be presented including dolomite stability investigations and the relationship between hydrogeological and geotechnical properties in hard rocks.

### REGISTRATION FEES

**Member** - R1000 | **Non Member** - R1500 | **Student / Retired** - R500

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## ESG INQUISITION 10 - 11 AUGUST 2021

**Free registration**

24 GSSA  
3 SACNASP  
CPD POINTS

Suddenly everyone is talking about ESG and/or Sustainability, but what exactly is it? Why is it important when I have a hundred other things to do? What am I expected to report on now?

If you feel like this, then know you are not alone - there is much confusion around what needs to be included in Sustainability/ESG Reports, Public Reports (CPRs and Annual Reports) and what are simply operational issues that need to be dealt with internally. And why - is it simply to tick boxes or are there actual tangible financial benefits to my company?

Come to our first ESG Matters Inquisition where you will have the opportunity to hear what others think and also to voice your own opinion. The main objective of the inquisition is to gather industry views and input regarding the potential ESG reporting requirements when disclosing Mineral Resource and Mineral Reserve estimates in Competent Persons reports and also in the Annual Mineral Resource and Mineral Reserve reports published by Mineral companies. The current version of the SAMESG (2017) Guidelines is being redrafted and the event will strive to obtain industry views on potential improvements. It is perceived that general confusion regarding the purpose of the SAMESG guidelines needs to be clarified as well as the integration between Annual Sustainability /ESG reports and Annual Mineral Resource and Mineral Reserve reports.

We expect to run the Inquisition over TWO days (10-11 August 2021) from 8.30 - 12.30. Attendance is FREE, but registration is mandatory.



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## PRECIOUS METALS DAY 17 AUGUST 2021

8 GSSA  
1 SACNASP  
CPD  
POINTS

### Online Precious Metals Day - the South African context:

The GSSA is hosting a webinar day on the South African Precious Metals industry; touching on yesterday, today and with the focus on tomorrow. Speakers cover an array of market analysts, explorers, academia and those who make our economy tick, our operations specialist geologists. The day is targeted to provide a whirlwind overview insight into the South African Precious Metal value chain, from research to understanding the ore forming processes, exploration, mining geology, the combined mineral assets, aspects of processing to the down-stream supply and demand and future outlook. Included is a selection of on-mine geological talks which depart somewhat from the traditional main-stream PGM and Wits-Gold operations.

The talks will last about 8 hours which provides 8 CPD points on the GSSA system and 1 CPD on the SACNASP system.

### REGISTRATION FEES

**Member** - R1000 | **Non Member** - R1500 | **Student / Retired** - R500

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## STRUCTURAL GEOLOGY COURSE AND FIELD TRIP 21 - 22 AUGUST 2021 | SOUTHBROOM

16 GSSA  
2 SACNASP  
CPD  
POINTS

This is a 2-day integrated course involving both lectures and field work on the complexly deformed high grade metamorphic rocks of the KwaZulu-Natal South Coast. Participants will be instructed on how to observe, describe, map, measure and analyse ductile structures as well as superimposed deformation.

The aim is to be able to produce a geometrically constrained 3D reconstruction and to unravel the sequence of structural events recorded in the rocks. The factors that control the development and progressive deformation of ductile structures will be explained.

### Presenter

Mike Watkeys is a structural geologist with over 40 years' experience of running structural geology courses, particularly field-based courses often for the mining industry both locally and internationally. He completed his Honours degree at the University College of Swansea, Wales and then joined the Geological Survey of the then Rhodesia. After obtaining a PhD at the University of the Witwatersrand, he was at the University of Cape Town before joining the University of Natal, now the University of KwaZulu-Natal. Currently he is an Emeritus Professor of that university and a private consultant.

### REGISTRATION FEES

**Member** - R6000 | **Non Member** - R7500 | **Student / Retired** - R4000



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**MINROM**  
CONSULTING



**PRACTICAL PROJECT MANAGEMENT FOR  
EXPLORATION GEOLOGISTS**  
**31 AUGUST - 03 SEPTEMBER 2021**

32 GSSA  
4 SACNASP  
CPD Points

Projects are where the action is - this is where strategies are implemented, plans generated, resources utilised and where "talk" is turned into "action". Project management involves everything from strategic planning through to project execution. This practical course will equip exploration geologists to properly scope, schedule, cost, execute, monitor, and control their projects.

This 4-day Practical Project Management training course is aligned with the Project Management Body of Knowledge (PMBOK) Guide of the Project Management Institute (PMI). MINROM Training has formed an association with Dr Anton Olivier, who has presented project management training for the past 15 years, to tailor an exploration project management training course specifically for exploration geologists. The course is up to date with the changed global industry and technological conditions, needs and standards.

[COURSE INFO](#)

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[AGENDA](#)





## VP - MEMBERSHIP DUMI SIBIYA

*Ratified by Council on 29 May 2021*

### NEW MEMBERS

Pumla Khumalo, Maite Mampheko, Nhlamulo Mashimbye, Winas Mosamedi, Thabelo Munzhelele, Marthinus Reynders, Azhar Shaikh

### NEW STUDENT MEMBERS

Ndivhuwo Eugene Bologo, Michael Bamhamire, Llelani Coetzer Mahlatse Legong, Noah Makofane, Lleta Motsepe, Malaika Motsoai Tumiso Phasha, Excellent Sekgobela, Phumla Shange, Keegan Stokes Kholekile Tyala

## 2021 MEMBERSHIP FEE LETTER AND SCHEDULE

[Click here](#)



Membership queries  
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Join us





## Drilling Skills for Geologists

This course is for the more experienced geologists looking for a deeper understanding of drilling concepts in order to better manage drilling projects.

The objective of every exploration project is to obtain representative samples of as high a quality as possible, safely and efficiently. The key concepts here are quality, safety and efficiency and this program is designed to provide candidates with the necessary knowledge and skills to improve their effectiveness in identifying the source of problems and managing these three key aspects of a drilling project.

[READ MORE](#)



### **MINSA seeks IMA commission representatives**

The International Mineralogical Association (IMA) hosts six commissions on specific themes within mineralogy. We are looking for interested members to serve as representatives on four of these:

- The IMA commission on Gem Materials: IMA-CGM
- The IMA commission on Museums: IMA-CM
- The IMA commission on Ore Mineralogy: IMA-COM
- The IMA commission on the Physics of Minerals: IMA-CPM

Please contact us at [minsaa@gssa.org.za](mailto:minsaa@gssa.org.za) if you would have interest to represent MINSA on any of these IMA Commissions. More information on the work of the commissions may be found at <https://www.ima-mineralogy.org/>



**SAMCODES NEWS**  
**June 2021**

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**Council for Geoscience**

**THE COUNCIL FOR GEOSCIENCE'S DATA PORTAL GOES LIVE**

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SAIMM HYBRID CONFERENCE

16-17 AUGUST 2021  
MISTY HILLS CONFERENCE CENTRE MULDRSDRIFT JOHANNESBURG SOUTH AFRICA AND ONLINE

**WORLDGOLD**  
HYBRID CONFERENCE 2021

Re-thinking gold operations for the future

SAIMM  
THE SOUTHERN AFRICAN INSTITUTE OF MINING AND METALLURGY

CPD Points: 2 ECSA CPD Points

AusImm EIM ICM

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