



# NEWSLETTER

Promoting the study and advancement of Earth Sciences since 1895

**AFRICAN EXPLORATION SHOWCASE**  
**6 & 7 NOVEMBER 2024**  
**VENUE**  
**EMPERORS PALACE CONVENTION CENTRE**

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## INSIDE THIS ISSUE:

- African Exploration Showcase
- President's Column
- 2025 Membership Fees letter
- Fellows Dinner Invitation rsvp
- Fellows Dinner call for sponsorship
- GSSA Annual Sponsors
- Upcoming Events - Register Now
- Young Geoscience Professional Division Events / Field trip
- Namaqualand Diamond Conference
- Geocongress 2025 website
- Glen Nwaila new book in stock
- CIMERA Science Write competition
- IUGS Second 100 geo sites
- Precambrian Conference
- SAMCODES Snippets

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# STEVE MCCOURT

GSSA PRESIDENT

During September, the Society hosted three different online courses. On September 3rd Tania Mashall presented Professionalism and Code of Ethics which attracted 243 delegates, on the 10th and 11th Glen Nwaila offered his course on Data Analytics and Machine Learning with 36 attendees and then in four morning sessions between September 4th and 25th, Colin Rice presented Drilling Methods and Techniques with 25 delegates attending. In addition, as part of the CMP initiative, there was a rescheduled presentation by one of mentees on September 12th. Manco was scheduled for September 25th and Council for September 28th, but these were postponed for a week to accommodate my travel commitments.

On behalf of the GSSA, I recognize and congratulate Hassina Mouri from the University of Johannesburg who was elected as President of the International Union of Geological Sciences during the recent 37th International Geological Congress in Busan, South Korea. Hassina is the 1st Woman President of the IUGS and additionally the 1st President from the African Continent. Congratulations are also due to Gill Drennan from Wits who has been elected Chairperson of the NSTF South-32 Awards Committee.

The 37th IGC also hosted the launch of the second hundred most important geological heritage sites worldwide (see <https://iugs-geoheritage.org/the-second-100-iugs-geological-heritage-sites/>) . Two South African and two Namibian sites made the cut. The South African sites recognised were Minerals of the Kalahari Manganese Fields submitted by Bruce Cairncross and the Vredefort Impact Structure submitted by Roger Gibson and Uwe Reimold. The sites in Namibia are the Etosha Pan, and Ediacaran Fossils of the Nama Group. Congratulations to the teams involved in these submissions.

The fire that damaged part of the Johannesburg Country Club in Auckland Park on September 9th has impacted on GSSA events scheduled for that venue. As a result, the **African Exploration Showcase** on November 6-7 will now be held at Emperors Palace and the **Fellows Dinner** will be held on November 11th at the Woodmead Campus of the JCC. The rescheduling of these events was managed by Lully Govender, Louise Coney (Fellows Committee) and Craig Smith. More details are available of the GSSA Website.

In addition to working on the rescheduling of the Fellows Dinner, the Fellows Committee has been processing nominations for New Fellows of the Society and has started the process of identifying the A L du Toit Lecturer for 2026. In keeping with the tradition of the A L du Toit Memorial Lecture Series, the next lecturer will be someone based in Southern Africa.

The **Young Geoscience Professional Division** under the Chair of Rorisang Malebye (Wits) will host a YGP Roundtable at the Wits School of Geosciences Department on Friday 4th October from 13.00 to 16.00. The YGP have organised several speakers to talk to students about careers in Geoscience and other work-readiness issues. Later in the month the YGP will run a 1-day fieldtrip to examine aspects of the geology of Johannesburg. The date for the fieldtrip is Saturday 19th October. **Registration** for both events will be through the GSSA website and is **compulsory**.

Anyone able to provide sponsorship to assist the YGP with these events should contact the GSSA through Craig Smith at [craig.smith@gssa.org.za](mailto:craig.smith@gssa.org.za).

Dear Members

## Membership Fees 2025

On behalf of the Council of the GSSA, I would like to thank you for your continued support and involvement with the Society, as well as timely payment of your membership fees. Your 2025 fees invoice will be sent under separate cover.

The Membership Fees for 2025 have been increased by an average of 4.8 per cent. An early bird discount at the 2024 rates is offered for your 2025 fees if paid by latest 31 January 2025. For those who wish to take advantage of this offer, simply pay your 2024 rate as shown on the fees schedule.

The South African Journal of Geology (SAJG) is freely accessible online through GeoScience World via the member portal on the GSSA website, and we encourage all members to make use of the service. You will need to log in to access SAJG. Geobulletin and the monthly newsletter are open source (no need to log in).

Members receive significant discounts on GSSA managed events, and notification of upcoming events is given in the Monday morning mailer sent to all members in good standing.

The option to receive a print copy of SAJG and Geobulletin is available at additional cost, which partially covers printing and air mail or courier charges. Contact [accounts@gssa.org.za](mailto:accounts@gssa.org.za) if you require print copies.

Voluntary donations additional to the fees are welcome, and we gratefully thank those who have made donations in past years. There is a donation option on your invoice.

We ask members to pay their fees by EFT as per instructions on the invoice, or by credit card via the website through the secure payment portal at [www.gssa.org.za](http://www.gssa.org.za). If paying by credit card, log in, go to the shopping cart and the Members Fees drop-down. The payment gateway is secure.

Please contact Mrs Olivier at [accounts@gssa.org.za](mailto:accounts@gssa.org.za) for any finance related matters. Remember to check the GSSA website, the Facebook page, LinkedIn, Instagram, the weekly events reminder and the monthly newsletter for regular updates on news and events.

Steve McCourt  
President

<b>GSSA Membership Fees Schedule 2025</b>			Payable 31/01/2025
			5% Increase
<b>2025 Membership Fees</b>	<b>2024 Fees</b>	<b>2025 Early Bird Fees</b>	<b>2025 Fees</b>
	<b>2024/01/31</b>	<b>PAY BY 31/01/2025</b>	<b>31/01/2025</b>
Affiliate	1 100,00	1 100,00	1 155,00
Retired Affiliate	470,00	470,00	490,00
Dual	2 230,00	2 230,00	2 340,00
Fellow	1 675,00	1 675,00	1 755,00
Member	1 675,00	1 675,00	1 755,00
Institutional Member	8 350,00	8 350,00	8 765,00
Retired: Fellow	500,00	500,00	525,00
Retired: Member	500,00	500,00	525,00
Student	Nil	Nil	Nil
Life Member/Life Fellow /Honorary Member	Nil	Nil	Nil

All member categories have access to SAJG via the GSSA website.

Print access to SAJG will incur printing and delivery charges; enquiries should be directed to [accounts@gssa.org.za](mailto:accounts@gssa.org.za).



*The President of The Geological Society cordially invites you and your partner to the annual*

## **FELLOWS DINNER**

**11 November 2024 | 6.30pm**

**WOODMEAD COUNTRY CLUB**  
Cnr Woodlands Drive & Lincoln Street, Woodmead

**Speaker** : Keith Scott  
Executive Director and Chief Executive Officer of  
Mining, Oil and Gas Services (MOGS)

**Dress** : Smart Casual

**R500 per person**

**RSVP here**



## **Fellows Dinner - 11 November 2024 Woodmead Country Club**



### **Call for Sponsorship**

We invite you to partner with us - Increase your visibility and gain access to your target markets

Benefits

- ✓ Banner at Venue - Gold Sponsor
- ✓ Free Attendance - Gold Sponsor 2 - Event Sponsor 1
- ✓ Free advert in the GSSA Newsletter - Gold full page and Event sponsor half
- ✓ Acknowledgement in mailers and event opening

Contact Us



+27 (0) 10 143 2096



info@gssa.org.za

[Click here for the sponsor form](#)



# Upcoming Events



14 & 15 OCTOBER

**ANALYTICAL TECHNIQUES  
WORKSHOP**

MORE INFORMATION

REGISTER NOW

23 OCTOBER

**MINERAL RESOURCES &  
MINERAL ECONOMICS**

MORE INFORMATION

REGISTER NOW

6 & 7 NOVEMBER  
**EMPERORS PALACE  
CONVENTION CENTRE**

**AFRICAN EXPLORATION  
SHOWCASE**

MORE INFORMATION

REGISTER NOW



<http://www.>

## Welcome to GeoCongress 2025

*Embracing Change Through Collaboration - 130 years of the GSSA*

Keynote Speakers (click photo for biosketch)



Glen Nwaila



John Carranza



Sifiso Siwela



Geoffrey Howarth



Susan Webb

**cimera**

DSI-NRF CIMERA  
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Integrated Mineral and Energy  
Resource Analysis



# Science Writing Competition 2024

TAKE UP THE CHALLENGE: YOUR RESEARCH IN YOUR HOME LANGUAGE

**Translate your research into your mother tongue for the general public,**  
and submit your document to [cimera@uj.ac.za](mailto:cimera@uj.ac.za) before 11 November 2024.

Please note that the submission is only applicable to the 11 official South African languages.  
[500-800 words maximum, including a catchy title and creative writing style.]

Prizes for the top three entries.

Open to all DSI-NRF CIMERA supported students and post-doctoral research fellows.  
Winners will be announced at the closing session of the DSI-NRF CIMERA Colloquium (26 November 2024).

DSI-NRF CIMERA 

@CimeraSA 

@CimeraSA 

[www.cimera.co.za](http://www.cimera.co.za) 



# Geostatistics Notes for Practitioners



Glen Nwaila, Leon Tolmay, and Mark Burnett

This book provides a practical perspective of all the processes involved in estimating mineral resources and reserves, including mine-to-mill reconciliation. It provides an integrated step-by-step explanation of processes for performing each step, including insight from academic and industry practitioners. Each chapter details a specific aspect of the estimation processes in a practical manner. It contains examples and case studies to illustrate the practical application of geostatistics in mineral resource estimation, mineral reserve conversion, and reconciliation.

## Features

- Provides a step-by-step guide with over 10,000 lines of Python code for hands-on demonstration, from start to finish, for both linear and non-linear geostatistical methods.
- Explains practical geostatistics processes and functionality.
- Simplifies explanation of mathematical/statistical concepts and application.
- Discusses generalised examples to aid the process steps.
- Reviews processes involved in the mineral resources' estimation and ore reserve conversion.

This book is intended for third-year and postgraduate students in Mineral Resources Management, Geology, Spatial Statistics, and Mining Engineering, as well as practising professionals.

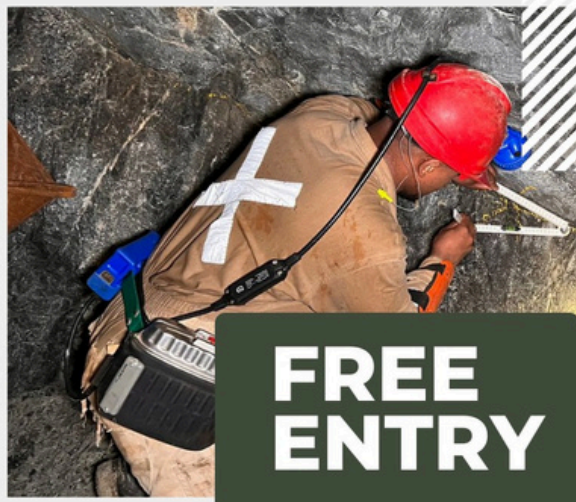
Retail Price - R995

GSSA discounted price - R850 for a limited time

[Please email your order to info@gssa.org.za](mailto:info@gssa.org.za)



LET'S JOIN



# FREE ENTRY

The Event Will Be Held On:

October 4th 2024  
1pm - 4pm  
Wits School of Geosciences  
Venue: G01

## GSSA-YGP WORK READINESS ROUND TABLE



UNIVERSITY OF THE WITWATERSRAND JOHANNESBURG



📞 071 412 2795 (Itu) or 071 080 3094 (Rori)  
🌐 [www.gssa.org.za](http://www.gssa.org.za)  
✉ [young.professionals@gssa.org.za](mailto:young.professionals@gssa.org.za)



# GEOLOGY FIELD TRIP

A PATH THROUGH THE WITWATERAND GEOLOGY WITH EXCITING SITE VISITS WITHIN THE JOHANNESBURG URBAN LANDSCAPE.

📅 19 OCT

More Information [www.gssa.org.za](http://www.gssa.org.za)



UNIVERSITY OF THE WITWATERAND JOHANNESBURG 100th Anniversary (1922-2022)

R250

<https://www.gssafarm.com/Geology@foclen/Cfmsu/ufk/a/Younggeoscience/>





# NAMAQUALAND DIAMOND CONFERENCE



[www.gssa.org.za](http://www.gssa.org.za)

11-20 March 2025



Inspiring new ways  
[www.southafrica.net](http://www.southafrica.net)



Council for Geoscience



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# NAMAQUALAND DIAMOND CENTENARY

CONFERENCE &  
FIELDTRIP

11 - 20 MARCH 2025

## REGISTER NOW

# NAMAQUALAND DIAMOND CENTENARY

## Field trip

14-20 MARCH 2025

info@gssa.org.za

www.gssa.org.za/events

**REGISTER NOW**



Namaqualand Diamond Centenary 2025

Submit  
here

# PHOTO COMPETITION



- Photographs should showcase the wide variety of the Namaqualand West Coast
- Entries close 31 January 2025
- The judges decision is final and no correspondence will be entered into
- Winners will be announced at the Conference
- Prizes will be awarded



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THE SECOND  
**100**  
IUGS GEOLOGICAL  
HERITAGE SITES

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A UNIQUE  
COLLABORATIVE & GLOBAL ENDEAVOR  
FOR THE RECOGNITION OF SITES  
THAT ARE ESSENTIAL  
FOR THE GEOLOGICAL SCIENCES

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IGCP - 731



The IUGS has released the Second Hundred geological sites book; see IUGS website for free downloads and instructions on purchasing printed copies. Southern African sites are featured in both volumes, including the Barberton Mountainland (First Hundred) and the Kalahari Manganese Field minerals and the Vredefort Dome (Second Hundred). These volumes are must-reads for any geologist, and particularly those interested in Geoheritage.

The books are available at: [www.iugs-geoheritage.org/publications/](http://www.iugs-geoheritage.org/publications/)

Read More





PrecambrianWorld 2024  
in South Africa

7th International  
Geoscience  
Symposium



# 3rd International WHEEL seminar

--The past, modern and future Earth :  
geologic, oceanic and biogenic  
processes over 4.6 billion years--

# 2024

## December 5 (Thu) - 6 (Fri)

### Field trip: December 7-10

## at JBS

Johannesburg Business School

## University of Johannesburg



<http://wheelaa.jp>

address:

**JBS:** 69 Kingsway Ave, Auckland Park, Johannesburg, 2092

**UJ:** Johannesburg, APK Campus, 418, C1 Lab.

PO Box 524, Auckland Park 2006, Johannesburg

Telephone: (+27) 11 559 4087 (Axel Hofmann)



地球掘削科学国際研究拠点  
Joint Usage/Research Center  
for Drilling Earth Science



National Museum of Nature and Science (geology)  
National Institute of Polar Research (SHRIMP Lab)

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## Readers Panel

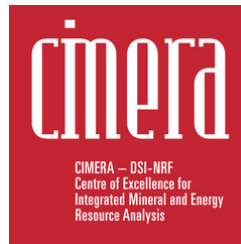
The Panel began in March 2000 when the JSE adopted by the first edition of the SAMREC Code was published. At the time of its establishment, there were five Readers. The number of Readers has changed over time, and today there are sixteen Readers, including the Chair. This number encompasses a wide range of competencies in commodities estimation of Mineral Resources, Mineral Reserves, and Valuation.

Over time, there have been three iterations of the SAMREC Code and two of the SAMVAL Code. A fourth iteration is currently in development. The SAMREC Code was issued in 2000, 2007 and 2016, and the SAMVAL Code in 2008 and 2016. In every case, introducing a new edition of the Codes resulted in a steep learning curve as CPs became accustomed to the new rules. Over time, significant changes were made to Section 12 Requirements. The combination of changes to Section 12 and the introduction of a new edition of the Codes would lead to up to 18 to 24 months before the CPs became accustomed to applying them in practice.

[Read More](#) →

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## Annual Sponsors



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