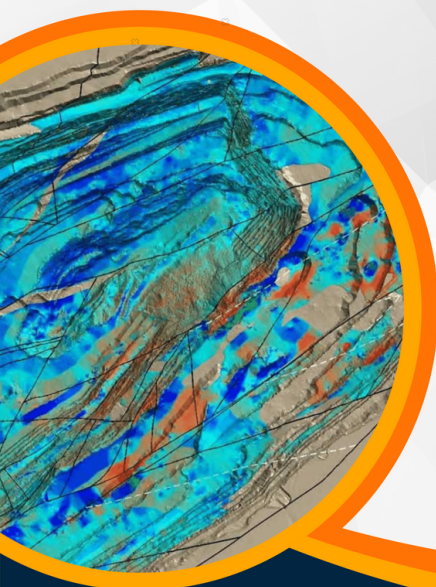


# NEWSLETTER

Promoting the study and advancement of Earth Sciences since 1895



## 3D GEOMODELLING

**07 OCTOBER 2022**

**REGISTER NOW**

Geocongress 2023 is scheduled for January 11-13 at Stellenbosch University and abstract submission and delegate registration is now live (see <https://allevents.eventsair.com/geocongress/>). For those who would like to provide sponsorship or exhibit at Geocongress, please contact [craig.smith@gssa.org.za](mailto:craig.smith@gssa.org.za).

The 2022 Fellows Dinner will be held at the Woodmead campus of the Johannesburg Country Club on November 11, so please diarize the date. We need sponsorship to keep the delegate cost as low as possible. If you would like to be a sponsor, please contact [info@gssa.org.za](mailto:info@gssa.org.za).

The GSSA is concerned with the lack of exploration activity in South Africa, as are many others. Establishment of an effective replacement of the SAMRAD land management system is a key element absolutely essential to attracting exploration investment.

See <https://www.miningmx.com/mining-yearbook-2022/50378-not-fit-for-purpose-why-minerals-exploration-plan-is-bound-to-fail/> for further comment. As concluded in the Mineral Council webinar on September 23, political will is lacking.

*Craig Smith*

### INSIDE THIS ISSUE:

- Geocongress 2023 goes hybrid
- Save the Date - Fellows Dinner
- September Geobulletin
- Outstanding membership fees
- New Members September
- 3D Geomodelling
- Professionalism & Code of Ethics
- Introduction to ioGAS
- African Exploration Showcase
- Sponsorship Opportunities
- Past online course recordings
- IMSSA 100th AGM
- Northern Cape branch event
- Cape Mining Club event
- BHP Xplor program
- National Global change conf



SAVE THE DATE

11

DAY

11

MONTH

22

YEAR

FELLOWS DINNER

WOODMEAD COUNTRY CLUB



Stellenbosch  
UNIVERSITY  
UNIVERSITEIT

## **GEOCONGRESS 2023** **11-13 JANUARY**

The next 125 years of Earth Sciences



### **Geocongress goes hybrid!!**

#### ***Abstract submissions extended to 15 October***

Given the vast interest from Earth Science colleagues in other parts of Africa, and also further afield globally, the organising committee has taken the decision to make Geocongress 2023 a hybrid style event. To best facilitate and stimulate interpersonal interactions, the event remains primarily an in-person event and current registration- and abstract submission numbers show promise of an exciting and well attended delegate contingency. If you haven't already submitted an abstract, be sure to get it in soon!

**Abstract submission:** <https://allevents.eventsair.com/geocongress/abstracts>

For online attendees, the hybrid option will offer an opportunity to live stream all talks (in both parallel scientific sessions), to present their own research by means of a virtual poster session and limited oral presentation slots, and access and interact with the virtual exhibitor stands. All attendees (both in-person and online) will receive certificates of attendance.

In order to allow sufficient time for the online delegates to submit abstracts, the deadline for abstract submission has been extended to 15 October 2022. Announcement of successful abstracts will then be pushed to 5 November, with registrations closing on 30 November 2022. There are still several places available on some of the field trips and workshops, which you are strongly encouraged to check out at: [Workshops and Excursions](#)







Stellenbosch  
UNIVERSITY  
UNIVERSITHI  
UNIVERSITEIT

# GEOCONGRESS 2023

## 11-13 JANUARY

The next 125 years of Earth Sciences

GSSA  
Geological Society of South Africa



<http://www.>



## FIELD TRIPS AND WORKSHOPS

*Stellenbosch & Cape Town*

### FIELD TRIPS



- Southern Cape Geology - Evolution of a Rifted Margin
- The Saldanian basement - granites and sedimentary rocks - between Stellenbosch, Langebaan and Cape Town
- Geological trip through the Overberg

### CONFERENCE TOUR



SEG terroir tour: Tin occurrences and terroir at Jordan Wines

### CONFERENCE WORKSHOPS



- Pressure-temperature constraints, phase equilibria and open system modelling of geological processes
- How gold deposits form
- Application of gold geology to exploration: South African focus
- 3D Structural Modelling Workshop
- DSI-NRF CIMERA Workshops

[CLICK HERE](#)

+27 (0) 21 910 1913

[geocongress@allevents.co.za](mailto:geocongress@allevents.co.za)



# geobulletin

QUARTERLY NEWS BULLETIN ~ SEPTEMBER 2022

VOLUME 65 NO. 3

4<sup>th</sup> Industrial revolution in the minerals industry  
Anniversary: Arthur William Rogers  
GSSA Geoconservation  
Zinc-Lead mining, Northern Italy

## news



**MSA**  
THE MSA GROUP

# Events



[SPONSORSHIP OPPORTUNITIES](#)

[EVENTS CALENDAR](#)

[VIRTUAL TALKS CALENDAR](#)

[GSSA YOUTUBE CHANNEL](#)

UPCOMING EVENTS

3D Geomodelling	<b>7 October</b>
Professionalism and Code of Ethics	<b>11 October</b>
Introduction to ioGAS	<b>2 November</b>
African Exploration Showcase	<b>17 - 18 November</b>

**ANNUAL  
EVENT  
SPONSORS**

**acquire**

**GEO-EXPLORE STORE**  
GEO-EXPLORE STORE (PTY) LTD

**DMT**  
DMT Kai Batla (Pty) Ltd

**SACNASP**  
South African Council for Natural Scientific Professions  
*Integrity in science*

**UCP  
AFRICA**  
Unique Core Products Africa (PTY) LTD.



# 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



# PROFESSIONALISM AND CODE OF ETHICS

*Free Online Course*

**11 OCTOBER 2022**

The term "ethical behaviour" is applied to a person's conduct in professional matters and is judged in comparison to the standards of the profession, which are formally expressed in statements called codes of ethics. Codes of ethics are the value guidelines that a professional must follow in order to remain registered as a member of the profession.

Ethical conduct, or professional decision-making, is a necessary requisite to being called a professional. A professional must be able to properly balance competing values in making decisions that affect both society and the client.

**This online course by Dr Tania Marshall provides an understanding of what you need to be a professional in the mining industry.**



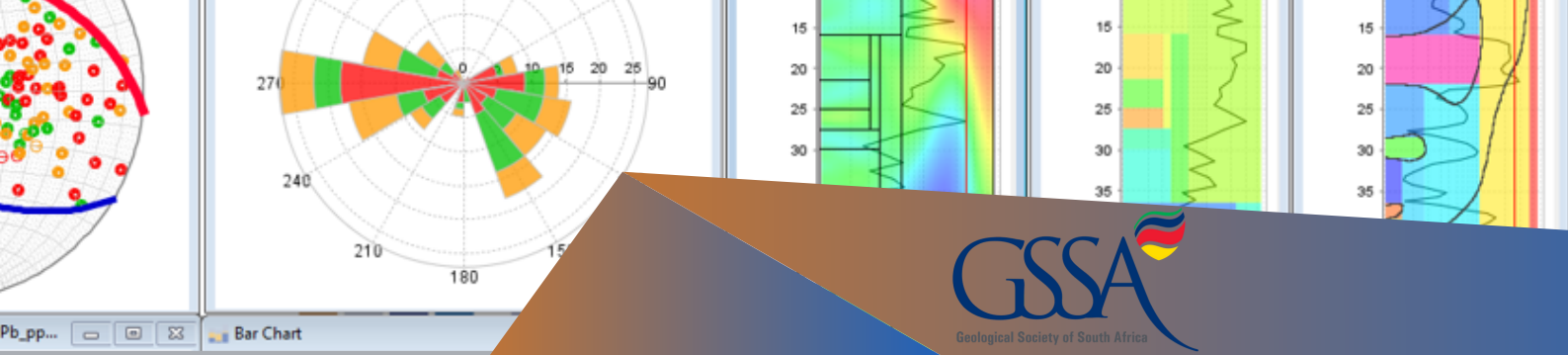
**CPD POINTS**

**SACNASP - 0.3**

**GSSA - 3**

**REGISTER NOW**





# INTRODUCTION TO ioGAS

## 2 NOVEMBER 2022



CPD POINTS  
PER DAY

GSSA - 4

SACNASP - 0.5

ioGAS™ is an exploratory data analysis software application developed specifically for the resources industry to detect patterns, anomalies and relationships in geoscience data. Live links have been developed between ioGAS and other geoscience/GIS software programmes (such as Leapfrog, QGIS, Mira Geoscience, Discover, acQuire, Micromine, ArcGIS and Minalayze)

The GSSA and Imdex have partnered to present a half-day (4 hours) of training on the ioGAS Fundamentals Module. This course focuses on the skills necessary to start importing and interpreting your geoscience data using the ioGAS software. It covers topics such as data validation/QC tools, univariate and multivariate plots, downhole and line plots to interrogate your drillhole data, geospatial plots, the creation and use of classification diagrams and calculations, and an overview of how to move your data interpretation seamlessly into other GIS and geology modelling packages.

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

**Members** – R1,000 | **Non-Members** – R1,500 | **Student/Retired** – R500

REGISTER NOW





# AFRICAN EXPLORATION AND TECHNOLOGY SHOWCASE

**17 - 18 NOVEMBER**

**CPD POINTS  
PER DAY**

GSSA - 8

SACNASP - 1

**Hosted by Geological Society of South Africa,  
Geological Society of Africa, Zambia, Zimbabwe and Namibia**

This webinar aims to provide an opportunity for professionals in the industry to be informed about new African exploration projects and current developments. It is an ideal opportunity to learn more about deposits that could potentially add significant economic value to the continent's pipeline.

Our speakers are from major and junior mining companies, and from large consulting companies to independents, which should ensure an interesting event.

**Members** - R1,000 | **Non-Members** - R1,500 | **Student/Retired** - R500

**REGISTER NOW**





# Membership

**Ratified by Council - 28 September**

## **NEW MEMBERS**

Tshepisho Katz, Eleri Tsagane

## **NEW STUDENT MEMBERS**

Livhuwani Dangale, Veronica Lefophane, Thabiso Mabuza  
Phillimon Mahlafunya, Natash Makamu, Edward Mangena  
Tshephanang Mashiane, Amkele Mdolomba, Ophilia Moholola  
Mogau Mothoa, Vhutshilo Mulovhedzi, Remember Munyai  
Esther Ndlovu, Malesela Ramotebele, Neville Vorster

## **Outstanding membership fees**

There are a number of members who have not paid their membership fees. Please pay as soon as possible to retain your professional membership status.

Please note that fees payment ultimately remains your responsibility, even though your employer may have offered to assist you.

If you wish to make a payment arrangement please contact [accounts@gssa.org.za](mailto:accounts@gssa.org.za).

## **PAY YOUR MEMBERSHIP FEE**

[CLICK HERE](#)



## **DOWNLOAD YOUR MEMBERSHIP CARD**

[CLICK HERE](#)

## **MEMBERSHIP APPLICATION**

[CLICK HERE](#)



**RECORDING LINK AVAILABLE  
FOR PURCHASE**

**CLICK HERE**

- **Diamonds from Exploration to Manufacturing** : 20 June – 30 June 2022
- **Practical Geological Mapping to Map Making** : 7 – 8 July 2022
- **Green Energy Day** – 30 August 2022

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

Institute of Mining Surveyors (IMSSA) – 100th AGM held on 16 September



Sifiso Siwela (GSSA past President  
and current IMSSA President Thabitha Machaba



REGISTER NOW



**Speakers:** Deon Nel (Kumba-Iron Ore), Clement T. Rikhotso (Rosond), Heino Hoops (Imdex), Philip Setzer (Maxgeo)

**Thank you to our Annual Sponsors:** Maxgeo, Minrom, DMT GROUP, Xpotential Mining Services, Imdex Limited, Pro Tray Pty Ltd, Reflex, Down Hole Survey, DMT Kai Batla, **and Event Sponsors:** Assmang, Colin Rice Exploration Drilling Advisory, DrillSafe Southern Africa, Geo-Explore Store (Pty) Ltd, Rosond.

**For further enquiries,** please contact:  
admin.nc@gssa.org.za

# BHP Xplor

BHP Xplor, it is a new initiative from BHP – it is dedicated to accelerating innovative, early-stage mineral exploration start-ups to find the critical resources necessary to drive the energy transition. BHP Xplor is a one-of-a-kind program that combines funding, capability building and expert support to accelerate new geologic concepts and exploration opportunities.

READ MORE >>



Bloemfontein Campus  
University of the Free State

30 January – 2 February 2023

<https://gcc5.org.za>  
secretariat@gcc5.org.za

READ MORE >>

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