



**COAL DAY - 25 APRIL 2019**

**EVALUATION OF COAL DATA**  
**26 APRIL 2019**



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**GLENHOVE CONFERENCE CENTRE**

# ABOUT THE COURSE

## COAL DAY

**25 APRIL 2019**

Is coal still a hot commodity?

With the current energy demand and recent power price increases, as well as heavy reliance on coal in the subcontinent, coal is once again in the spotlight. Mining is also the world's most energy-intensive industry and struggles to secure uninterrupted access to this critical input.

The Geological Society of South Africa (GSSA) is therefore hosting a Coal Day to bring you some of the recent developments in this field. The day will cover aspects including specific coalfields in sub-Saharan Africa, research and development, processing and even carbon capture and storage, carbon tax and alternative and green technologies.

The day is aimed at a wide variety of specialists including exploration and mining geoscientists, mining and process engineers and researchers.

The Day will commence with a keynote address on the importance of coal to South Africa's economy.

# TOPICS TO BE COVERED

A panel discussion is planned on the Mozambique (Tete) coalfields, chaired by Lesley Jeffrey and including the following panellists:

- John Hancox who will set the scene with a brief outline of the environmental and depositional setting of the Mozambique coal, how it's different to the main Karoo Basin and the impact this had on the coal qualities;
- A renowned exploration manager who will talk about the unique challenges experienced in conducting exploration for these coals;
- Peter Hand who will talk about how the unique coal qualities impact on the beneficiation process and how this needs to be tailored to these specific coals;
- Ricky Pinheiro will talk about marketing and logistics of these coals

## **Other topics include:**

- Coalfields of sub-Saharan Africa, with focus on smaller basins (John Hancox)
- Botswana Coal – Quo Vadis (III) - Alan Golding (Analytika Holdings)
- The latest developments with SANS10320 - Karin van Deventer (Sugar Bush)
- Why is Geostatistics Relevant to Coal Resource Evaluation? Christina Dohm (Wits)
- Carbon Capture & Storage and Carbon Tax in South Africa
- Coal Processing - Johan de Korte (previously with the CSIR)
- Impact of Coal Qualities on Power Station Performance - Philip Mostert - (DTMA)
- CIMERA Karoo Coal Research - Dr Nikki Wagner (CIMERA)
- SA Coal Reserves and Quality Update - Lesley Jeffrey (SRK Consulting)
- Does Coal Have a Future in the Energy Mix? - Shamal Sivasanker (Deloitte)

## **ABOUT THE COURSE**

# **EVALUATION OF COAL DATA**

**26 APRIL 2019**

**PRESENTER**

**Bob Hatherly**

**Independent Coal Consultant**

This 1 Day Course provides a brief overview of the fundamentals of working with coal exploration data. It addresses the evaluation and the statistical analysis of raw coal quality data, and the manipulation of this information to provide guidance in selecting optimum theoretical mining parameters for later extraction of the coal.

# TOPICS TO BE COVERED

## Morning Session

- Introduction and overview of physical exploration data
- Preliminary evaluation of raw coal quality data
- Development of project-specific databases
- Statistical analysis – estimation of ‘average’ physical and quality parameters
- Simple statistical techniques to validate and audit physical and quality data

## Afternoon Session

- Derivation of Seam Quality Composites from Raw Assay Data
- ‘Best Cut’ selection of plies for wide coal seams
- Evaluation of ‘washability’ data
- Representation of coal data – maps, tables and graphs

# REGISTRATION FEE

## Coal Day

- Member - **R3750**
- Non Member - **R4500**
- Academic - **R2500**
- Retired/Student - **R2000**



8 GSSA CPD points  
1 SACNASP CPD point  
per day

## Evaluation of Coal Data

- Member - **R3000**
- Non Member - **R3500**
- Academic - **R1000**
- Retired/Student - **R1000**

## Combo 25 & 26 April 2019

- Member - **R5250**
- Non Member - **R6500**
- Academic - **R2750**
- Retired/Student - **R2250**