

# GEOPHYSICAL SIGNATURES OF MINERAL SYSTEMS

**When:** Saturday 9<sup>th</sup> September (Full day)

**Minimum Delegates:** 15

**Includes:** Lunch, Tea/Coffee

**COST:** R2 750 (VAT incl.) [Special student rate: R700] (VAT incl.)

**Presenter:**

**Prof Mike Dentith (University of Western Australia)**

Mike has more than 25 years' experience in teaching, research and consulting in mineral exploration geophysics. He is co-author of the award winning textbook, *Geophysics for the Mineral Exploration Geoscientist*. He has run professional courses for industry, government and professional societies in Australia, South American, Asia and Africa.



**About the workshop:**

## **Course Overview**

This innovative training course considers the implications of the mineral system concept for the practise of geophysics in mineral exploration.

Drawing from examples of mineral systems around the world, this course delivers a fundamental understanding of the geophysical expression of key system components and the role of geophysics in best practice mineral exploration.

## **Why Take This Course?**

The future of mineral exploration is searching for deposits undercover and mineral systems provides an innovative framework for formulating exploration strategy.

Explorationists using geophysics must be aware of the geophysical expression of important mineral systems and key system components as this will play an increasingly important role in exploration success.

## **Who Should Take This Course?**

- Industry, government and student **geoscientists** seeking to understand how to use geophysical datasets to explore for mineral deposits
- **Geoscientists** with a basic understanding of geophysical data sets seeking to be innovative in their use of geophysical exploration methods

## **Course Structure**

Core topics include:

- Petrophysical consequences of mineralising processes
- Use of regional-scale and deep-penetrating geophysical exploration methods
- Recognising responses from mineral system components in different types of geophysical data

#### **Key Outcomes**

- Understanding of the mineral system concept and its implications for geophysical exploration
- Awareness of the latest developments in mineral exploration geophysics applied to mineral systems