



Borehole geophysical logging and seismic reflection surveys in litho-structural mapping

7 July 2016

Johannesburg Country Club, Auckland Park

8 GSSA CPD
POINTS FOR
GSSA MEMBERS

About the Course:

The day will comprise of 45 minute sessions, which will include four sessions for geophysical logging and five sessions for seismics.

The subject matter will be largely qualitative in nature and set out to explain the following:

- The basic principles underlying the geophysical logging and seismic reflection techniques
- How both techniques are in practice put to work
- Where to apply these techniques and their cost-benefit advantages
- Logging : litho-structural, geotechnical, and hydrogeological mapping applications etc.
: how to interpret a borehole log
- Seismics : litho-structural mapping, loss-of-ground features, depth and dip estimations
: 2D vs 3D surveys.
: how to interpret a seismic section
- Integration of logging, vertical seismic profile and surface seismic data in proof of concept studies, velocity estimations and geological correlation of reflection events
- Survey pitfalls

Examples will be given from a variety of geological environments in Southern Africa, along with several case studies.

Registration Fees:

- R2,500 members (GSSA, SAGA, FFF, GASA)
- R3,200 non-members
- R2,000 academics
- R1,500 students/pensioners

*All rates are VAT inclusive

Presenters:

- **Warren Krynie:** Geologist/DP Manager (borehole logging)
- **Alex Boitshepo:** Senior Geophysicists (seismics)
- **Jeanne-Claire Trickett:** Consultant (3D seismic)
- **Geoff Campbell:** Consulting Geophysicist (logging plus seismics)

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Conference Secretariat:
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