



Seismic Imaging – DET CRC Case Studies
Tuesday 18 November 2014, 1:00 pm
Hahndorf Resort Business Centre, Hahndorf Resort
145A Mt Barker Rd, Hahndorf

Presenters

Andrej Bóna, DET CRC Project 3.1 Leader, Curtin University
 Shahadat Hossain, DET CRC Researcher, Curtin University
 Andrew Greenwood, DET CRC Researcher, Curtin University
 Evans Okan, DET CRC PhD Student, Curtin University
 Sinem Yavuz, DET CRC PhD Student, Curtin University
 Sasha Ziramov, DET CRC Researcher, Curtin University
 Duy Thong Kieu, DET CRC PhD Student, Curtin University
 Konstantin Tertyshnikov, DET CRC PhD Student, Curtin University
 Anousha Hashemi, BHPB
 TBC, HiSeis

Location

Hahndorf

Agenda

TIME	SESSION TITLE
1:00pm - 2:00pm	Hillside: Diffraction imaging. Andrej Bóna
	Hillside: Volumetric interpretation. Shahadat Hossain
	Gawler Craton: Feasibility of Using Regional Seismic Reflection Survey to Detect IOCG. Evans Okan
	Discussion
2:00pm - 3:00pm	Neves Corvo: Physical Property Analysis and Preserved Relative Amplitude Processed Seismic Imaging of VMS. Sinem Yavuz
	DeGrussa: Seismic Exploration for VMS. TBA, HiSeis
	Seismic signatures of large mineral systems-Evidence of fluid flow and alteration at depth. TBA, HiSeis
	Discussion
3:00pm - 4:00pm	Kevitsa: Relative amplitude preserving processing. Sasha Ziramov
	Kevitsa: Volumetric interpretation Shahadat Hossain
	Getchell: Seismic Impedance Inversion with Petrophysical Constraints via the Fuzzy Cluster Method. Duy Thong Kieu
	Discussion
4:00pm - 5:00pm	Telfer: Steered migration by diffractions. Konstantin Tertyshnikov
	Kambalda: Full waveform sonic and hydrophone VSP. Andrew Greenwood
	Kambalda: Interpretation. Anousha Hashemi, BHPB
	Discussion

Workshop Overview

Seismic imaging for the minerals industry has matured over recent years with many exciting results. The workshop will systematically work through a number of key modern seismic case studies including results from several different ore deposits styles highlighting significant outcomes of the DET CRC research program. It will illustrate benefits and highlight potential pitfalls of seismic imaging for each of the case studies. Examples will include case studies from Hillside, SA (Rex Minerals), Solwara 1, PNG (Nautilus Minerals), Martha's Vineyard, WA (BHPB), Kevitsa, Finland (First Quantum).

Logistics/Transfers

If you require a transfer departing 5:15pm at the conclusion of your workshop please select this option via the online registration form. Please direct any queries to Anna Porter at annaporter@detcrc.com.au or 08 8375 8483.

Contacts

Anna Porter: (08) 83758483 or 0434 499 621

DRAFT