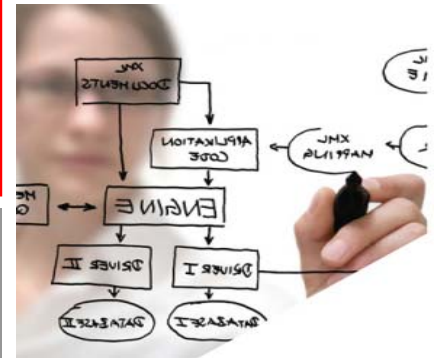




Australian Geomechanics Society

Sydney Chapter

Auditorium: Ground Floor, 8 Thomas Street, Chatswood



TECHNICAL PRESENTATION

Wednesday 12th May 2010

Light refreshments at 5.30 PM prior to 6.00 PM meeting

A Practical Guide to Abandoned Mine Subsidence Assessment and Mitigation

Speaker: *David L. Knott*

SYNOPSIS

Mine subsidence can take the form of sinkholes or troughs depending on mining and geologic conditions. Examples of the geology, mining, and subsidence features encountered in core and on the surface from US Bituminous Coal fields, particularly in the widely mined Pittsburgh Coal Seam; the Anthracite Coal field of north-eastern Pennsylvania; and the Sydney Basin, particularly the Borehole Seam, will be illustrated. The importance of understanding the mining and geology with respect to expected subsidence conditions and interpretation of investigation results will be stressed. Guidance on sinkhole development criteria and trough subsidence deformations will be provided. Finally mitigation options, such as grouting will be reviewed.

David Knott has over 27 years of experience in geotechnical engineering with a strong focus in mine subsidence investigation, assessment, and mitigation. He has mining experience in USA, Australia, and India.

Attendance may be credited (1 point) towards Continuing Professional Development requirements. Members are responsible for recording CPD for audit purposes.

Booking is not required.
For further information contact Mark Adams (mark.adams@arup.com.au)



**ENGINEERS
AUSTRALIA**
Sydney Division