

# Eastern Australia Ground Control Group (EAGCG)

January 2010



# Formation

- ▶ The Eastern Australia Ground Control Group (EAGCG) was inaugurated at a ground control workshop held in Sydney on 28 May 2002, attended by 40 persons from a broad spectrum of the Mining Industry.
- ▶ EAGCG Membership is open to all persons who attend any of the EAGCG Workshops and to all persons interested in ground control in mining in Australasia.
- ▶ The main purpose of the EAGCG is to act as a forum for the discussion and dissemination of ground control information for Eastern Australian mines.
- ▶ Its work complements that of the Ground Control Group (WA), which held its inaugural meeting in February 1999.

# Extract of Charter

- ▶ The Charter given to the EAGCG Committee includes:
  - To hold technical meetings, mine tours and workshops at various mining centres in Eastern Australia (or nearby cities).
  - To charge all attendees an appropriate registration fee that returns a small surplus to cover operating costs
  - To hold a brief general meeting of EAGCG members as part of one annual EAGCG workshop.
  - To provide a forum for ground control practitioners to exchange ideas in an informal environment and to provide a technical support network for isolated members.

# The Committee

- ▶ Until the 2010 AGM, management of the EAGCG is vested in the following committee members:
  - Anthony DeVeth , Australian Mining Consultants
  - Anna Gentle, BHP Cannington, (Treasurer)
  - Meredith Goss, Coffey Mining (President)
  - Claudia Graf, Newmont, Tanami Operations
  - Kevin Holley, SRK
  - Ben Jones, Halcrow Pacific
  - Tony Meyers, Rocktest Consulting
  - Jacqui Monk, Xstrata Copper, Mt. Isa
  - Adrian Pilcher, DYWIDAG Systems International (*DSI*)
  - Ben Roache, MiningOne
  - Des Vlietstra, Elasto Plastic Concrete
  - Kate Williams, Lihir Gold Ltd (Secretary)

# Membership

- ▶ Includes everyone who attends a meeting
- ▶ Mining companies
- ▶ Equipment and material suppliers
- ▶ Consultants
- ▶ Mining Regulators
- ▶ No annual membership fee

# Meetings

- ▶ Aim to hold at least 2 meetings annually, including 1 AGM usually in October / November with the other meeting in April / May.
- ▶ Meetings are (as far as possible) distributed around the eastern states of Australia.
- ▶ Meeting venues alternate more-or-less between capital cities and regional centres.
- ▶ Meetings
  - go for two days;
  - comprise at least 12 presentations on specific topics;
  - include at least two site visits to nearby mines;
  - include a meeting dinner;
  - are priced very competitively to encourage participation.

# Example of Meeting Programme - Launceston 09

**EAGCG**

Eastern Australia Ground Control Group

Meeting Enquiries  
 Meredith Goss, Honorary Secretary  
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 Web: [EAGCG-Webpage](http://EAGCG-Webpage)

Registration and Payments  
 c/- The AusIMM  
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## Ground Vibrations - Blasting & Seismicity & its Effect on Ground Control

**EAGCG LAUNCESTON MEETING PROGRAM** The Mercure Launceston TAS Link: [Mercure Hotel](http://Mercure Hotel)  
 Wednesday 28 October 2009 - Site Tours: Beaconsfield, Savage River & Rosebery, Welcome drinks from 6.30pm at the Mud Restaurant.

Thursday 29 October 2009 - Dinner: Mercure Hotel

Start	End	Session	Presenter	Presentation
8:45	10:00	Session 1	Ben Roache	Session Chair
8:45	9:00	Workshop Opening	Ben Roache	Welcome / House Keeping / Opening Address
9:00	10:00	Keynote 1	Max Lee	Mine Seismicity - A Brief History, Styles, Causes and Outstanding Issues
10:00	10:30	Morning tea		
10:30	12:30	Session 2	Anna Gentle	Session Chair
10:30	11:30	Keynote 2	Kevin Holley	Vibration - What does it mean to miners?
11:30	12:00		Adam Pascale	Using earthquake seismograph technology to improve blast monitoring
12:00	12:30		Alan Day	Managing the seismic risk at Perilya, Broken Hill: Case Study
12:30	13:10	Lunch		
13:10	15:00	Session 3	Tony Meyers	Session Chair
13:10	14:10	Keynote 3	Peter Hills	Observations of the impact of blasting and seismicity on ground support systems at Beaconsfield
14:10	14:40		Glen Sharrock	Estimating ground motion parameters from mine seismic data
14:40	15:00	Discussion session 1		
15:00	15:20	Afternoon tea		
15:20	17:40	Session 4	Kate Williams	Session Chair
15:20	16:20	Keynote 4	Phil Dight	Microseismicity and the influence of rock fracturing on deep open pits
16:20	17:10		Michael Pfitzner	Passive seismic tomography for interpreting induced rock mass damage and stress on a mine scale
17:10	17:40		Willard Zirima	Seismic Monitoring at MMG Rosebery: Case Study
17:30		Drinks /Dinner		

Friday 30 October 2009

Start	End	Session	Presenter	Presentation
8:00	10:00	Session 5	Anthony De Veth	Session Chair / House Keeping
8:00	9:00	Keynote 5	Gary Gibson	Earthquakes and Mining
9:00	9:30		Tony Meyers	Estimating the affect of dynamic loading on a Voussior arch: Case study
9:30	10:00		Dane Blair	Vibration and seismicity
10:00	10:30	Morning tea		
10:30	12:30	Session 6	Adrian Pilcher	Session Chair
10:30	11:30	Keynote 6	Mike Lovitt	Blastings Impact on Seismicity - "The Impetus that can set off an Event"
11:30	12:00		Mike Turner	D-Bolt: Deformable bolt for squeezing rock and burst-prone mines
12:00	12:30		Doug Minchin	Seismic - Resistant Rock Support
12:30	13:10	Lunch		
13:10	15:30	Session 7	Ben Roache	Session Chair
13:10	13:40		Dan or Fardinal	Savage River: Case Study
13:40	14:10		Adrian Penney	Development of Seismic Heading Re-entry Guidelines
14:10	14:25		Adel Vatandoost	Automated Petrophysical Core Logging for Geometallurgical Applications
14:25	14:45	Discussion session 2		
14:45	15:30	EAGCG Meeting Wrap Up / EAGCG AGM	Open to all - opportunity to join the committee	Next meeting theme, keynote speakers, venue etc afternoon tea available during meeting

**JOHNEX**  
 explosives

**DYNAMIC ROCK SUPPORT**

**Applied concrete solutions**

**BASF**  
 The Chemical Company

**epc** Elasto Plastic Concrete

**ORICA**  
 MINING SERVICES

**GESSES**  
 Geosystems Australia

**ISS**  
 Pacific

**coffey**  
 mining

**Geotechnical**  
 (Quarry Access)

**DSI**

**MINOVA**

**ROCK**  
 RESEARCH

**miningone**  
 Consultants

**GEOBRUGG**

**JM JENMAR**

**BOSFA**  
 Geotechnical Engineering  
 Geotechnical Engineering  
 Geotechnical Engineering

**AMC**

**CONCRETE**

# Relationship to the AusIMM

- ▶ Affiliated as a “virtual branch”
- ▶ Provide secretarial support / advertising / webpage etc



## EAGCG



**Eastern Australia Ground Control Group**

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### Next Meeting

May 2010 Brisbane. Watch this site for further details.

### Formation, Charter, Committee & Membership

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