

7<sup>th</sup> Australasian Coal Operator's Conference  
6-7 July 2006, Wollongong, NSW McKinnon Building 67– Room 104

**Preliminary Programme**

Thursday 6th July	
<b>8.00 am</b>	<b>Registration and Coffee</b>
<b>8.30 – 9.00 am</b>	<b>Plenary Session</b>
<b>8.30 – 9.00 am</b>	<b>Welcome to the University Chris Cook, Dean, Faculty of Engineering, University of Wollongong, Official Opening: Aus.IMM _ Illawarra Branch Chair</b>
<b>9.00 – 10.30 am</b>	<b>Technical Session 1 - Chairman: Naj Aziz</b>
	<ol style="list-style-type: none"> <li><b>1. Jim Arthur :</b> Ground control in coal mines in Great Britain.</li> <li><b>2. Justine Calleja:</b> Rapid Rating using Coal Mine Roof Rating to provide rapid mine roof characterisation from exploration drilling.</li> <li><b>3. Mark Colwell &amp; Russell Frith:</b> Why UCS and Young Modulus may be largely irrelevant to roadway roof stability – except in the tailgate.</li> </ol>
<b>10.30 – 11.00 am</b>	<b>Morning Tea</b>
<b>11.00 a – 1.00 pm</b>	<b>Technical session II - Chairman: Chris Harvey</b>
	<ol style="list-style-type: none"> <li><b>4. Ross Seedsman:</b> Joint structures and coal strength as controls on rib stability.</li> <li><b>5. J.A. Nemcik, W.J. Gale and M. Fabjanczyk:</b> Methods of interpreting ground stress based on numerical modelling and underground stress measurements.</li> <li><b>6. Baotang Shen, Hua Guo, Andrew King and Murray Wood:</b> An integrated real-time roof monitoring system for underground coal mines.</li> <li><b>7. Russell Frith:</b> Recovering from major roof cavities on longwall face- a current perspective.</li> </ol>
<b>1.00 -2.00 pm</b>	<b>Lunch</b>
<b>2.00 -3,30 pm</b>	<b>Technical Session III – Chairman:Bob Kinnonmonth</b>
	<ol style="list-style-type: none"> <li><b>8. A.D. S. Gillies and H. W. Wu:</b> A new real time personal respirable dust monitor.</li> <li><b>9. A. D. Dawood:</b> Investigation into dust and gas explosions in underground coal mines with reference to pick's tip geometry.</li> <li><b>10. E Williams and P Hagan:</b> Observations on the variation in acoustic emissions with changes in rock cutting conditions.</li> </ol>
<b>3.30 - 4.0 pm</b>	<b>Afternoon Tea</b>
<b>4.00 -6.00 pm</b>	<b>Technical Session IV - Chairman: Rod Doyle</b>
	<ol style="list-style-type: none"> <li><b>11. Peter Riley and Peter Crowe:</b> Airborne and terrestrial laser scanning – applications for Illawarra coal.</li> <li><b>12. Daniel Palamara, G. Brassington, P. Flentje, E. Baffi:</b> High-resolution topographic data for subsidence impact assessment and SMP preparation: methods and considerations.</li> <li><b>13. Allen Rodeghiero and Mike Armstrong:</b> Airborne geophysical techniques.</li> <li><b>14. John Doyle and Greg Poole:</b> The use of downhole piezometers implications for modern underground mines.</li> <li><b>15. Mike Armstrong, Peter Hatherly and Scott Thomson:</b> Determining the controls for strata gas and oil distribution within sandstone reservoirs overlying the Bulli seam.</li> </ol>
<b>7.00 – 7.30 pm Conference dinner</b>	

<b>Friday 7<sup>th</sup> July 2006</b>
<b>8.30 – 10.30 am Technical session X = Chairman: Ross Seedsman</b>
<p><b>16. Peter Whittall:</b> Pike River coal- hydraulic mine design on New Zealand's West Coast,  <b>17. Winton Gale:</b> An Investigation into Underground Mine Interaction with Overlying Aquifers, Huntly East Mine, New Zealand  <b>18. K. Mills, R. Jeffrey, D. Black, T. Meyer, K. Carey, S. Goddard:</b> Developing methods for placing sand-propped hydraulic fractures for gas drainage in the Bulli seam  <b>19. Tim Meyer:</b> Surface goaf hole drainage trials at Illawarra Coal.</p>
<b>10.30 – 11.00 am Morning Tea</b>
<b>11.00 am – 1.00 pm Technical session XI- Chairman: Walter Kielich</b>
<p><b>20. Allen Rodegheiro and Luke Fredericks:</b> Advances in surface seismic acquisition, processing and interpretation.  <b>21. Winton Gale</b> Water Inflow Issues above Longwall Panels.  <b>22. Tim Cummins and Luke Fredericks:</b> Development of coal seam permeability testing capabilities.  <b>23. Devendra Vyas, Naj Aziz, Richard Caladine and L Tome:</b> A Website on Coal and Gas Outburst Management.  <b>24. M F Hossaini, and G C Sen:</b> Ground Vibrations Arising from using two types of explosives – a comparative study.</p>
<b>1.00 -2.00 pm Lunch</b>
<b>2.00- 3.30 pm Technical Session VII. Chairman: Jim Arthur</b>
<p><b>25. N Aziz, H Jalalifar and J, Concalves, UOW, Wollongong:</b> Bolt profiles configuration and load transfer mechanism.  <b>26. Mahony L and Hagan P:</b>A laboratory facility to study the behaviour of reinforced elements subjected to shear.  <b>27. Hossein Jalalifar, Naj Aziz, and Muhamad Hadi:</b> An assessment of load transfer mechanism in shear using the instrumented bolt.</p>
<b>3.30 – 4.00 pm Aftrenoon tea</b>
<b>4.00 – 6.00 pm Technical Session VIII- Chairman: Ken Cram</b>
<p><b>28. James Barbato and Don Kay, Hank Pinkster, Ben de Somer and Mitch Geddes:</b> Monitoring of subsidence movements at major infrastructure.  <b>29. Walter Keilich, Ross Seedsman and Naj Aziz:</b> Wollongong. Numerical modelling of mining induced subsidence using UDEC.  <b>30. Gang Li, I. Forster, M. Fellowes and A. Myers:</b> A Case study on longwall mining under the tidal waters of Lake Macquarie.  <b>31. James Barbato and Daryl Kay, Gary Brassington and Ben de Somer:</b> Impacts of longwall mining to rivers and cliffs in the southern coalfields.  <b>32. Daryl Kay and Arthur Waddington, Joanne Page and Ben de Some:</b> Management of impacts of longwall mining in urban areas.</p>

Further information from:

<<http://www.uow.edu.au/conferences/coal>>