

7TH MSTS TRIENNIAL SUBSIDENCE CONFERENCE

DRAFT PROGRAM

DAY 1 MONDAY 26 NOVEMBER 2007

8:00 to 8:45	Registration of delegates
8:45 to 9:00	Welcome & Introduction on behalf of MSTS & AUSIMM
9:00 to 9:20	Keynote : The SMP Process – How is it travelling? <i>Greg Cole-Clark</i>
9:20 to 10:30	<p style="text-align: center;">Technical Session 1</p> <p style="text-align: center;"><u>Community</u></p> <p>Mine subsidence information - A community perspective <i>Margaret McDonald-Hill</i> Between a Rock and Hard Place – Archaeology, Subsidence and Community <i>Matt Richardson</i> Evaluating the impacts of longwall mining induced subsidence on vineyards in the Broke Region of New South Wales <i>Jeff Thompson</i></p>
10:30 to 11:00	MORNING TEA
11:00 to 12:30	<p style="text-align: center;">Technical Session 2</p> <p style="text-align: center;"><u>Case Studies</u></p> <p>West Wallsend Colliery – A co-ordinated approach to managing subsidence impacts on multiple high risk sensitive surface features <i>Mark Robinson</i> Investigation of longwall mining impact on Upper Cordeaux No.2 Dam <i>David Ho</i> Monitoring of Ground Subsidence movements at Cataract Tunnel Portal <i>Gareth Swarbrick</i> Monitoring the impact of longwall mine subsidence on surface environments using remote sensing <i>Tieneke Trotter</i></p>
12:30 to 1:30	LUNCH
1:30 to 3:00	<p style="text-align: center;">Technical Session 3</p> <p style="text-align: center;"><u>Monitoring Technique</u></p> <p>Update on remote strain sensing of railways & freeways <i>Daryl Kay</i> Subsidence monitoring using ALS and other techniques at Dendrobium <i>Michael Nicholson</i> Remote monitoring of multi-seam subsidence of transmission towers using tiltmeters and the internet <i>Phil Enright</i> Satellite interferometry as a subsidence monitoring technique <i>Linlin Ge</i></p>
3:00 to 3:30	AFTERNOON TEA
3:30 to 5:00	<p style="text-align: center;">Technical Session 4</p> <p style="text-align: center;"><u>Subsidence Movements</u></p> <p>Prediction of mining induced movements in structures - update on current research <i>James Barbato</i> Empirical analysis of far field movements for sensitive structures <i>Peter de Bono</i> Far field displacements in steep terrain Tasman or update of ACARP <i>Steve Ditto</i> Designing a longwall layout in the face of stringent subsidence constraints - the Mandalong experience <i>Ross Seedsmann</i></p>
5:00 to 5:30	AGM for MSTS Members
7:00 to 11:00	CONFERENCE DINNER at North Beach Novotel

DAY 2**TUESDAY 27 NOVEMBER 2007**

8:30 to 10:00	<p>Technical Session 5 <u>Management</u> Application of Risk Assessment to Management of Subsidence Impacts <i>Peter Reid</i> On the development of subsidence arising from multiple coal seam mining <i>Gang Li</i> Rapid stress assessment of buried pipelines in mine subsidence regions <i>David Ho</i> Management of effects of subsidence on pipeline crossings at Mallaty Creek <i>Mick McGill</i></p>
10:00 to 10:30	MORNING TEA
10:30 to 12:00	<p>Technical Session 6 <u>River Impacts</u> Review of mechanisms resulting in observed upsidence and closure and results of back analyses of case studies <i>Don Kay</i> Georges River grouting & rehabilitation final report and review <i>Gary Brassington</i> Changes of water quality in a stream impacted by longwall mining subsidence <i>Jerzy Jankowski</i> Subsidence impacts on river channels and opportunities for control <i>Ken Mills</i></p>
12:00 to 1:00	LUNCH
1:00 to 2:30	<p>Technical Session 7 <u>Ecological Impacts</u> The Ecology Of Subsidence – Swamps, Streams and Steep Environments <i>Matt Richardson</i> High-resolution environmental monitoring: a determination of the upland swamp-woodland boundary from ALS (airborne laser scanning) data <i>Ross Jenkins</i> Conceptual model of surface water-groundwater interaction in longwall mining impacted catchment <i>Jerzy Jankowski</i> Geochemical and algal tracing of potential flow from a lake to an underground coal mine <i>Steve Short</i></p>
2:30 to 3:00	AFTERNOON TEA
3:00 to 4:30	<p>Technical Session 8 <u>Groundwater Impacts</u> Isotopic hydrochemical age dating/profiling/tracing and high resolution hydraulic conductivity/fracture flow testing <i>Chris Waring</i> Non-linear hydrologic parameter characterisation of subsidence effects on headwater catchments with hillslope aquifers <i>Steve Short</i> Review of available data on mining impacts to surface and ground waters over Metropolitan Colliery <i>Greg Tarrant</i> Managing Potential Impacts of Underground Coal Mining on Surface and Sub-Surface Water Bodies <i>Gang Li</i></p>
4:30 to 5:30	CONFERENCE CLOSE and POST CONFERENCE SOCIAL HOUR