



8th Triennial Conference

MINE SUBSIDENCE
TECHNOLOGICAL SOCIETY

Conference Program 2011

Sunday 15th May 2011

6:00 - 8:00 pm	Pre-Conference Reception - Sebel Kirkton Park Hunter Valley
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Monday 16th May 2011

8:00 - 8:45	Registration	
8:45 - 9:00	Welcome and Introduction: Greg Cole-Clarke	
9:00 - 9:40	Keynote Address	
9:40 - 10:40	Technical Session 1 - Subsidence Prediction Session Chairperson: Ian Forster	
	Gang Li	Development of Mining-induced Horizontal Displacement in Relation to Vertical Subsidence
	James Barbato	Analysis of Mining Induced Strains
	Questions	
10:40 - 11:00	Morning Tea	
11:00 - 12:30	Technical Session 2 - Research on Ground Movement Session Chairperson: Jim Galvin	
	Ken Mills	Developments in Understanding Subsidence with Improved Monitoring
	Peter DeBono	Influence of Geology on Valley Upsidence and Closure (ACARP Research Project C18015)
	Gang Li	A Case Study on Mining-induced Horizontal Shear Deformation at the Ground Surface
	Questions	
12:30 - 1:30	Lunch	
1:30 - 3:00	Technical Session 3 - Case Studies on Ground Movement Session Chairperson: Gary Brassington	
	Winton Gale, Ian Sheppard	Investigation into Abnormal Increased Subsidence above Longwall Panels at Tahmoor Colliery NSW
	Greg Tarrant	An Analysis of Long Term Subsidence at Metropolitan Colliery
	Ken Mills	Experience of Monitoring Subsidence at Ulan Coal Mine
	Questions	
3:00 - 3:30	Afternoon Tea	
3:30 - 5:00	Technical Session 4 - Management of Old Mine Workings Session Chairperson: Arthur Waddington	
	Bill Holz	Filling of Abandoned Coal Mines Located Under the Ipswich Motorway, Queensland, Australia
	Bob Whiteley	Geophysical Imaging of Voids and Stressed Coal Pillars in Legacy Mining Areas
	Robert Kingsland	Subsidence Hazards and Mitigation Strategies on Minmi to Buchanan Section of the Hunter Expressway
	Questions	
5:00 - 6:00	AGM for MSTs Members	
7:00 - 10:30	Conference Dinner - Sebel Kirkton Park Hunter Valley	



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8:30 - 8:35	Introduction	
8:35 - 10:30	Technical Session 5 - Monitoring and Impacts on Residential Structures Session Chairperson: Gang Li	
	Luke Pearce	Continuous Monitoring of Longwall Undermining - Blakefield South Longwall 1
	John Bradshaw	Ground Motion Measurement using Radar Satellite Data for the Mining Sector
	Leigh Appleyard	Structural Design Guidelines for Low Rise Residential Development in Mine Subsidence Districts in New South Wales
	Daryl Kay	The Assessment of Subsidence Impacts on Building Structures (ACARP Research Project C12015)
	Questions	
10:30 - 11:00	Morning Tea	
11:00 - 12:30	Technical Session 6 - Management of Subsidence on Water Infrastructure Session Chairperson: Ken Mills	
	Gareth Swarbrick	Mitigation of Subsidence Impacts on the Upper Canal
	Mick McGill	Protection of Upper Canal Against Impact of Underground Mining - The LW409 Experience
	David Hilyard	Risk Assessment for Managing Impacts of Mining on Dams
	Questions	
12:30 - 1:30	Lunch	
1:30 - 3:00	Technical Session 7 - Management of Subsidence on Railway Infrastructure Session Chairperson: Ian Sheppard	
	David Ho	Modelling Surface Infrastructure Subject to Mining Impact
	Andrew Leventhal	Management of Mine Subsidence Impact upon Mainline Railway Infrastructure – The Flirtation of Longwall 25 with Myrtle Creek Culvert
	Allan Pidgeon	Management of the Main Southern Railway for Subsidence Impacts from Longwall Mining
	Questions	
3:00 - 3:30	Afternoon Tea	
3:30 - 4:35	Technical Session 8 - Management of Subsidence on the Hume Highway Session Chairperson: Matthew Richardson	
	Henk Buys	Management of the Hume Highway Pavement for Subsidence Impacts from Longwall Mining
	Mal Bilaniwskyj	Interacting with Mining Companies in Relation to Mine Subsidence - Approach by the Roads and Traffic Authority of NSW, Southern Region
	Questions	
4:35 - 5:00	Closing Address: Greg Cole-Clarke	
5:00 - 6:00	Post Conference Social Hour	