

Seventh International Conference on Deep and High Stress Mining

The Australian Centre for Geomechanics (ACG) is proud to host the Seventh International Conference on Deep and High Stress Mining (Deep Mining 2014) in Sudbury, Canada. The conference will focus on the technical and challenging environment of underground mining as it progresses to deeper levels, with industry now extracting mineral reserves at depths that in the past have been considered 'un-mineable'. Deep Mining 2014 will explore geotechnical and logistical issues, including reticulation and refrigeration of fresh air that are often intense and best practices and innovations need to be implemented.

One of the objectives of the International Deep and High Stress Mining series objective is to promote documentation of the latest technologies and practices of mining in deep and high stress mining environment. Running from 16–18 September 2014, Deep Mining 2014 will follow on from previous events held in Perth, 2012; Santiago, 2010; Perth, 2007; Quebec City, 2006; Johannesburg, 2004; and Perth, 2002.

The ACG has enjoyed a long and proud association with the Canadian mining industry since our inception in 1992. The Conference Chair for Deep Mining 2014 is Associate Professor Marty Hudyma, Laurentian University and the ACG look forward to sharing our worldwide deep and high stress mining excellence by hosting our first international geotechnical mining event in Canada. The University of Toronto continues to provide ongoing support and encouragement of this unique event series and, alongside the University of the Witwatersrand, will be a collaborating organisation of Deep Mining 2014.

Deep Mining 2014 has already attracted significant International interest within the industry and exhibitors for the event include 3M Canada, ESG Solutions, Geobrugg North America, LLC, Mine Design Technologies Inc. and Normet Canada Ltd.

The conference will run for three days and feature a technical programme that includes keynote addresses from David Counter, Canada; Ray Durrheim, CSIR and the University of the Witwatersrand, South Africa with his keynote address *Has research contributed to improvements in safety and profitability of deep South African mines?*; and Stephen Hardcastle, Canmet Natural Resources Canada, Canada presenting *The continuing challenges to provide adequate ventilation and a safe environment in deep mines*.

The call for papers is now open and the ACG invites intending authors to submit abstract papers for the Seventh International Conference on Deep and High Stress Mining by 24 February 2014 on the following conference themes:

- Geomechanics risks
- Energy issues in deep mining
- Occupational health and safety in deep mines

- Financial risks
- Case studies
- Numerical modelling
- Rock behaviour under high stress
- Rockburst and seismicity monitoring
- Ground support
- Risk assessment and management
- Ventilation
- Blasting

Alongside Deep Mining 2014, delegates will have access to a number of associated events prior to the conference, including an Applications of Seismic Monitoring in Mines Course, Practical Rock Mechanics in Underground Mines Course, Getting the Most from a Seismic System Workshop and a Ground Support Subjected to Dynamic Loading Workshop. Following the conference will be the Practical Calibration of Numerical Models for Meaningful Predictions of Ground Behaviour Course and a site visit to Glencore Company's Sudbury Integrated Nickel Operations with opportunities for delegates to visit Fraser Mine and Nickel Rim South Mine, Strathcona Mill and the Sudbury smelter.

The ACG looks forward to welcoming delegates to the Seventh International Conference on Deep and High Stress Mining in September 2014. For further information on Deep Mining 2014, please visit www.deepmining2014.com.

About the ACG

The Australian Centre for Geomechanics is a not-for-profit mining research centre based at The University of Western Australia, Perth. The ACG undertakes research, education and training activities in the geomechanics disciplines to provide industry with the necessary tools and knowledge to ensure that safety is not simply a top priority on par with productivity, but rather an ethic that guides everything. More information on the ACG and its services can be found at www.acg.uwa.edu.au.

The ACG announces our exciting new industry funded Ground Support Systems Optimisation (GSSO) project. The project will explore whether it is possible to optimise ground support systems, with the aim to maintain, if not improve mine safety, whilst reducing costs and/or time components.