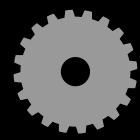




C E M I

Centre for Excellence
in Mining Innovation



LECTURE SERIES

November 26th, 2009 at 4:00pm Willet Green Miller Centre
CEMI Broadcast/Training Room (4th Floor)

The Art of Rock Support in Burst-Prone Ground

Abstract Rock support in burst-prone ground requires a good understanding of the rock mass behavior under high stress condition and the behavior and functionality of each rock support element. Rock support in burst-prone grounds needs to address a few things such as dynamic loading and large rock dilation due to rock failure. Seven principles, which can lead to making the right judgment and decision with regards to ground support in burst-prone ground, are presented in this lecture. In addition, the success of using MCB conebolt based rockburst support in a few Canadian mines is illustrated along with the recent development to further improve the dynamic performance of MCB conebolt.

The lectures will be held in the Willet Green Miller Centre on the 4th floor, in the CEMI Broadcast room or if space requirements justify from the WGMC auditorium. Parking is available in the visitor's parking lot and the side parking lot of the WGMC. Lectures will be announced by e-mailing to registrants and by postings on the CEMI website.

CEMI offers an advantage to guest speakers and the audience by streaming live video of the lectures on the CEMI website. Video coverage of the lectures for online viewing from anywhere around the world brings CEMI closer to the community. For more information and recordings of past lectures visit:

<http://www.miningexcellence.ca/events/lectures/>

If you wish to be added to the mailing list for the CEMI Lecture Series and/or if you wish to make a presentation, suggest a topic or nominate a speaker, please email us at webcast@miningexcellence.ca



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Dr. Cai holds Bachelor and Master degrees from Tsinghua University in China and a Ph.D degree from the University of Tokyo in Japan. He has a wide variety of interests in rock mechanics and rock engineering. He has made exceptional technical and scientific contributions to many topics, including constitutive modeling of rock masses, rock mass characterization, rock support, interpretation of AE and microseismic monitoring data, and rock failure process simulation, etc. Dr. Cai is the author/co-author of more than 120 scientific publications.