CEMI
Centre for Excellence in Mining Innovation

Natural Resources Canada | Ressources naturelles Canada

Canada Mining Innovation Council
Conseil canadien de l'innovation minière

The Centre for Excellence in Mining Innovation (**CEMI**), Natural Resources Canada (**NRCan**), and the Canada Mining Innovation Council (**CMIC**)
are proud to sponsor

CEMI's Fragmentation Workshop
May 14 & 15, 2009
at the
Fairmont Royal York Hotel
Salon 3 (19th Floor)
Toronto, ON

CEMI has a mandate to develop excellence in mining innovation. Part of this mandate is to develop a network of solution experts, in this case in the area of **Blast Fragmentation**. The other goal of the workshops is to give direction to the underground mining industry with respect to controlling fragmentation and the process by which this should be done. The scenario to be used in the workshop is blast hole mining in the Sudbury area, where CEMI is presently focused. Areas of discussion would be around, but not restricted to, **lift heights, patterns, geotechnical and structural information** and so forth.

Participants	**Info**
Allan Akerman	CEMI
Andrew Dasys	MIRARCO
Angelo Labriola	Orica Mining Services
Chris Preston	Stroma Engineering
Denis Lebrie	CANMET
Dr. Bibhu Mohanty	University of Toronto
Frank Luttrell	Atlas Copco
Gary Gutwillinger	Dyno Nobel Canada
Glenn Lyle	CEMI
Jack Miller	Facilitator
Jean-Marie Fecteau	Natural Resources Canada
Jennifer Pakula	Vale Inco
John Hadjigeorgiou	University of Toronto
Kaiwen Xia	University of Toronto
Lester Keen	Xstrata Nickel
Mauro Dobran	Cubex
Michael Lebanc	RRF Mining Constultants
Michel Plouffe	CMIC/Natural Resources Canada
Philip Day	
S. JOON KIM	Vale Inco
S.Paul. Singh	Laurentian University
Steve Peircey	Orica Mining Services
Takis Katsabanis	Queens University
Ted Smethurst	Cubex
Tom Palangio	Wipware

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THURSDAY, MAY 14TH – Royal York – Salon 3 (19th floor)			
SESSION	**TOPIC**	**TIME**	**PRESENTER**
CONTINENTAL BREAKFAST - (PROVIDED) - 0800			
INTRODUCTION AND OVERVIEW	1. WELCOME AND PURPOSE OF WORKSHOP/INTRO. OF FACILITATOR 2. FACILITATOR'S INSTRUCTIONS	0830-0845	ALLAN AKERMAN JACK MILLER
CASE HISTORIES	1. CASE HISTORIES	0845-0915	JEN PAKULA -VALE INCO , MIKE LEBLANC
OPTIMIZE DESIGN CONSIDERATIONS	1. EFFECTS OF ROCK MASS PROPERTIES 2. BLAST DESIGN 3. DRILLING ACCURACY	0915-0930 0930-0945 0945-1000	DENIS LABRIE CANMET CHRIS PRESTON STROMA TED SMETHURST CUBEX
COFFEE BREAK			
	1. GROUP DISCUSSION	10:15-1200	
LUNCH - (PROVIDED) - **1200-1300**			
MONITORING & CONTROL	1. BLAST MONITORING 2. QUALITY CONTROL 3. 8 POINTS ARE THE PROBLEM	1300-1330 1330-1400 1400-1430	STEVE PIERCEY ORICA TOM PALANGIO WIPWARE ANDREW DASYS MIRARCO
COFFEE BREAK			
	1. GROUP DISCUSSION	1445-1600	
	2. DAY 1 WRAP-UP	1600-1630	JACK MILLER
DINNER** – (PROVIDED) – Cocktails 1830 Dinner 1900 in the Manitoba Room			
FRIDAY, MAY 15TH – Royal York – Salon 3 (19th floor)			
CONTINENTAL BREAKFAST (PROVIDED) - 0800			
	1. REVIEW DAY 1	0830-0845	JACK MILLER
BLASTING & FRAGMENTATION MECHANISMS	1. BLASTING AGENTS 2. INITIATION SYSTEMS 3. LOADING PRACTICES 4. RESEARCH INITIATIVES 5. RESEARCH INITIATIVES	0845-0900 0900-0915 0915-0930 0930-0945 0945-1000	STEVE PIERCEY ORICA GARY GUTWILLINGER DYNONOBEL GARY GUTWILLINGER DYNONOBEL DR. BIBHU MOHANTY U of T DR. KAIWEN XIA U of T
WORKING COFFEE BREAK			
BREAK OUT SESSIONS	1. SET CONTEXT FOR BREAKOUT SESSIONS 2. BREAKOUT SESSIONS 3. REPORT OUT (3 @ 15 MIN)	1000-1005 1005-1100 1100-1145	JACK MILLER
SUMMARY AND WRAP UP- NEXT STEPS		1145-1200	AL AKERMAN, JACK MILLER
END OF WORKSHOP - NOON			