



ALBERTA CHAMBER
OF RESOURCES

Mining Industry Advisory Committee (MIAC) Research Forum

Friday February 21st, 2020

8:30 am to 3:30 pm

Pat D Daniel/Enbridge Engineering Conference Room (8-207)
8th floor, Donadeo Innovation Centre for Engineering 9211 116 Street
University of Alberta, Edmonton

	TOPIC	PRESENTER	TIME
1	Coffee and Networking		8:30 (30min)
2	Welcome and Introductions <ul style="list-style-type: none"> • Introductions • Overview and objectives of the day. 	Fraser Forbes ✓ Dean of Engineering, University of Alberta Ken Bell ✓ Vice President, Strategic Planning Syncrude Canada Ltd.	9:00 (5 min) (5 min)
3	Activity since last Research Summit meeting on January 31st, 2019. <ul style="list-style-type: none"> ➢ Collaboration over the last year. 	Mal Carroll ✓ General Manager, R&D Syncrude Canada Ltd.	9:10 (20 min)
4	Mining Research at the University of Alberta <ul style="list-style-type: none"> ➢ Learning about connections to the University ➢ Industry Perspectives message to students ➢ What should Mining Engineering Education Look Like for the Future 	Robert Hall ✓ Mining Engineering Professor University of Alberta	9:30 (30 min)
5	Break		10:00 (15min)
6	Canadian Oil Sands Innovation Alliance (COSIA) <ul style="list-style-type: none"> ➢ Innovation ++ ➢ Mine Haul truck OEM Challenge ➢ Mobile Fleet Fuel Reduction Challenge 	Stephen Arseniuk ✓ COSIA Director Innovation & GHG Kelly Parker ✓ COSIA GHG STA	10:15 (25min) (5 min questions)
7	Canada Mining Innovation Council (CMIC) <ul style="list-style-type: none"> ➢ Material Handling Technology Scan ➢ Integrated Ore Sensing at Face ➢ CAHM- A Disruptive Platform Technology ➢ NRCAN – Oct. 4, 2019 Waterloo meeting ➢ Global Water Curves ➢ Data Mining for Value 	Carl Weatherell-Trevor Kelly ✓ Executive Director & CEO	10:45 (40 min) (5 min questions)
8	Deloitte - Top 10 Mining Trends 2020	Adriaan Davidse ✓ Deloitte	11:30 (30min)
9	Visit (15 min) of University Mining Research Lab for those interested (2 groups 12:00 and 12:45) Lunch	Tim Joseph ✓ All	12:00 (60 min)
10	Projects In Progress <ul style="list-style-type: none"> • Predictive Analytics <ul style="list-style-type: none"> ➢ Oil Analysis Predictive Maintenance ➢ Fuel Consumption metrics 	Brent Boutilier ✓ Syncrude Canada Ltd.	1:00 (15 min) (5 min questions)
11	Projects In Progress <ul style="list-style-type: none"> • NRC Wear Consortium <ul style="list-style-type: none"> ➢ MARIOS (Materials and Reliability in the Oil Sands) Consortium - InnoTech Alberta ➢ Update and Future Work • Advanced Manufacturing 	Stef Chiovelli ✓ Syncrude Canada Ltd	1:20 (25 min) (5 min questions)
12	Projects in Progress	TBD	1:50 (15 min) (5 min questions)
13	Break		2:10 (20 min)
14	Roadmaps and Open Discussion <ul style="list-style-type: none"> • Review of Top 5 Items and Update • What is the path forward? • Next session timing? 	Group Work	2:30 (45 min)
15	Closing Remarks	Ken Bell ✓ Fraser Forbes ✓	3:15 (15 min)
16	Adjourn		3:30