CANADIAN GERMAN DAY

Future of Mining

TUESDAY, MARCH 7, 2017
8:30am-6:00pm

Discussion topics include:

❖ **INNOVATIONS IN EXPLORATION TECHNOLOGY**

❖ **FUTURE OF MINING – Lunch Panel & Keynotes**

❖ **PRODUCTIVITY & DIGITAL INNOVATION SEMINAR**

METRO TORONTO CONVENTION CENTRE
Room 206B, North Building
255 Front Street

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Participation is free of charge, please register here:

REGISTER

Hosted by

SIEMENS
Ingenuity for Life

Helmholtz Institute Freiberg for Resource Technology

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CANADIAN GERMAN DAY

PDAC 2017

| 8:30 AM | *Registration* | |

WELCOME AND INTRODUCTION

9:00 AM	Welcome	Werner Wnendt, *Ambassador of Germany to Canada*
9:05 AM	Opening Remarks	Dr. Thomas Gäckle, *German Federal Ministry for Economic Affairs and Energy (BMWi)*
9:15 AM	Introduction: German Expertise in Mining	Dr. Martin Wedig, *German Federation of International Mining and Mineral Resources (FAB)*
9:30 AM	Raw Materials Demand for Future Technologies	Dr. Volker Steinbach, *Federal Institute for Geosciences and Natural Resources (BGR)*

INNOVATIONS IN EXPLORATION TECHNOLOGY   HOSTED BY   DERA Deutsche Rohstoffagentur Bundesanstalt für Geowissenschaften und Rohstoffe   AHK

9:45 AM	SQUID providing a new dimension to exploration capabilities	Matthias Meyer, *Supracon AG*
10:00 AM	Performance Boost in Mapping and Analysis of Large Areas for Mineral Exploration and Mining through Imaging Spectroscopy from Space	Dr. Christian Mielke, *Helmholtz Centre Potsdam – GFZ German Research Centre for Geosciences*
10:15 AM	Information Systems and Mineral Potential Maps – Requirements for Exploration Targeting and Investment Attraction	Andreas Knobloch, *Beak Consultants GmbH*
10:30 AM	CPT-XRF: A new technology for tailings characterization	Dr. Uta Alisch, *Fugro Consult*
10:45 AM	Airborne exploration methods for placer gold - Locating hidden paleo channels in the Cariboo Mining District	Dr. Rüdiger Schwarz, *geotec Rohstoffe GmbH*
11:00 AM	Innovative mineral processing solutions for high value products	Dr. Sebastian Prinz, *Dorfner Anzaplan*
11:15 AM	The EIT RawMaterials	Dr. Karen Hanghøj, *EIT RawMaterials*
11:30 AM	*Networking Break*	

FUTURE OF MINING: LUNCH PANEL & KEYNOTES   HOSTED BY   McKinsey&Company   SIEMENS

12:00 PM	What's Next for the Industry	McKinsey & Company
12:30 PM	Picture of the Future Mining	Yun Zeng, Siemens AG
1:00 PM	Panel Discussion: Future Trends in Mining	*Siemens AG, K+S Canada, McKinsey & Company, Barrick Gold, German Mineral Resources Agency* **Chair: Prof. Dr. Jens Gutzmer,** *Helmholtz Institute Freiberg for Resource Technology*
1:40 PM	*Networking Break*	

PRODUCTIVITY & DIGITAL INNOVATION SEMINAR   HOSTED BY   McKinsey&Company

2:00 PM	Keynote: The Productivity Imperative	*McKinsey & Company*
2:40 PM	The K+S Legacy Project - Success factors for implementing one of the largest mining investments by a German company	Jan Grommas, *K+S Canada*
3:10 PM	Flexible Hard Rock TBM Concept for Mining	Steffen Dubé, *Herrenknecht Tunnelling Systems Canada Inc.*
3:30 PM	*Networking Break*	
3:50 PM	Keynote: Digital Innovation in Mining	*McKinsey & Company*
4:30 PM	What investors need to know about optimal adaptive processing	Prof. Dr. Karl Gerald van den Boogaart, *Helmholtz Institute Freiberg for Resource Technology*
5:00 PM	Intelligent sensing and navigation in mining automation	Wolfram Gödde, *DMT GmbH & Co KG*
5:30 PM	Q & A	
5:45 PM	*Wrap up & Goodbye (Networking until 6 PM)*	