



## ***COSMO – Stochastic Mine Planning Laboratory*** **Mining Engineering**

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### **PROGRAM**

**Technical Day – Thursday, June 22<sup>nd</sup>, 2017**

Room 267, Macdonald Engineering Building, 817 Sherbrooke W., Montreal

<b>8:30 – 9:00</b>	<b><i>Welcome</i></b>
9:00 – 9:30	Stochastic Optimization of Mining Complexes: A Hyper-heuristic Approach <i>Amina Lamghari</i>
9:30 – 10:00	Updating Short-term Destination Policies with New Information in a Mining Complex: A Fast Mechanism using Machine Learning <i>Ashish Kumar</i>
10:00 – 10:30	High-order, Data-driven Categorical Simulation and Applications to Mineral Deposits <i>Ilnur Minniakhmetov</i>
<b>10:30 – 11:00</b>	<b><i>Coffee Break</i></b>
11:00 – 11:30	A Dynamic Stochastic Approach for Open-pit Mine Planning <i>Adrien Rim��l��</i>
11:30 – 12:00	High-order Stochastic Block-support Simulation <i>Joao Pedro de Carvalho</i>
12:00 – 12:30	Integrating Commodity Price Simulation into Mineral Value Chain Planning with Geological Uncertainty <i>Ray (Jian) Zhang</i>

<b>12:30 – 13:30</b>	<b><i>Lunch</i></b>
13:30 – 14:00	Simultaneous Stochastic Optimization of a Gold Mining Complex under Supply and Market Uncertainty <i>Ziad Saliba</i>
14:00 – 14:30	Dynamic Mid-term Optimization of a Mining Complex under Uncertainty <i>Fernanda Del Castillo S.</i>
14:30 – 15:00	Open-pit Mine Production Scheduling in the Presence of an In-pit Crusher Conveyor System <i>Carlos Andres Jimenez Builes</i>
<b>15:00 – 15:30</b>	<b><i>Coffee Break</i></b>
15:30 – 16:00	The Bienstock-Zuckerberg Algorithm Applied to Mine Scheduling under Multi-element Geological Uncertainty <i>Zeyneb Brika</i>
16:00 – 16:30	Non-stationary High-order Simulation of Mineral Deposits <i>Amir Abbas Haji Abolhassani</i>
16:30 – 17:00	A New High-order Simulation Method Based on Multivariate Kernel Density Estimation <i>Lingqing Yao</i>
<b>17:00 – 17:30</b>	<b><i>Closing Remarks: Research in the Year Ahead</i></b>