



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

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**Board's Dinner with Staff, Students and Friends**  
**June 28<sup>th</sup>, 2018**  
**18:30 – 23:00**  
**Cocktails from 17:30 – 18:30**

Location:  
Taverne Gaspar  
89, rue de la Commune Est  
Montréal - 514 392-1649  
Reservation under COSMO  
**Cocktails in the Lounge Narcisse**

Please RSVP by June 1st, with:  
Deborah Frankland  
Tel: 514-398-5461  
Email: [admrc.mining@mcgill.ca](mailto:admrc.mining@mcgill.ca)



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### **PROGRAM**

**Technical Day – Friday, June 29<sup>th</sup>, 2018**

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

<b>8:45 – 9:00</b>	<b><i>Welcome</i></b>
9:00 – 9:30	Overview of New Research Developments and Outputs <i>Roussos Dimitrakopoulos</i>
9:30 – 10:00	Dynamic Optimization of the Escondida Copper Mining Complex, Chile <i>Fernanda Del Castillo S.</i>
10:00 – 10:30	Simultaneous Stochastic Optimization of a Gold Mining Complex with Tailings Management <i>Ziad Saliba</i>
<b>10:30 – 11:00</b>	<b><i>Coffee Break</i></b>
11:00 – 11:30	Updating Short-term Decisions in Mining Complexes with New Information: Fast Mechanism using Search Tree and Reinforcement Learning <i>Ashish Kumar</i>
11:30 – 12:00	A Matheuristic Approach for Optimizing Mineral Value Chains under Uncertainty <i>Amina Lamghari</i>
12:00 – 12:30	A High-order Stochastic Simulation Method via Reproducing Kernel Hilbert Space Embedding <i>Lingqing Yao</i>
<b>12:30 – 13:00</b>	<b><i>Lunch</i></b>
13:00 – 13:30	Multi-product Mine Scheduling Optimization under Multi-element Geological Uncertainty <i>Zeyneb Brika</i>
13:30 – 14:00	Multivariate Data Assimilation For Resource Model Updating <i>Angel Prior, PhD student, Helmholtz-Zentrum Dresden-Rossendorf   HZDR · Institute Freiberg for Resource Technology</i>
14:00 – 14:30	Effects of High-order Simulations on the Long-term Optimization of Mining Complexes <i>Joao Pedro de Carvalho</i>
<b>14:30 – 15:00</b>	<b><i>Coffee Break</i></b>
15:00 – 15:30	Simultaneous Stochastic Optimization with Waste Management and Cut-off Grade Optimization <i>Zachary Levinson</i>
15:30 – 16:00	Simultaneous Stochastic Short-term Production Scheduling of Mining Complexes Including Stockpiles, Operational Alternatives, and Equipment Allocation Decisions <i>Christian Both</i>
16:00 – 16:30	New Probabilistic Angular Orientation of the Texture Flow in Intensity Images <i>Amir Abbas Haji Abolhassani</i>
<b>16:30 – 17:00</b>	<b><i>Closing Remarks: Research in the Year Ahead</i></b>