



COSMO – Stochastic Mine Planning Laboratory Mining Engineering

COSMO Travelling Technical Day Meeting
Hosted by Barrick Gold Corporation & Newmont Mining Corporation
Event Location: Hilton Garden Inn
3650 East Idaho Street
Elko, NV 89801, USA

PROGRAM

Technical Day – Wednesday, November 29th, 2017

9:00 – 9:15	Welcome
9:14 – 9:45	Strategic Planning: Simultaneous Stochastic Optimization of Mining Complexes and Mineral Value Chains <i>Roussos Dimitrakopoulos</i>
9:45 – 10:15	Simultaneous Stochastic Optimization of a Gold Mining Complex under Supply and Market Uncertainty <i>Ziad Saliba</i>
10:15 – 10:45	Stochastic Optimization of Mining Complexes: A Hyper-heuristic Approach <i>Amina Lamghari</i>
10:45 – 11:15	Coffee Break
11:15 – 11:45	Updating Short-term Destination Policies with New Information in a Mining Complex: A Fast Mechanism using Machine Learning <i>Ashish Kumar</i>
11:45 – 12:15	High-order, Data-driven Categorical Simulation and Applications to Mineral Deposits <i>Ilnur Minniakhmetov</i>
12:15 – 13:15	Lunch
13:15 – 14:30	Workshop – Simultaneous Stochastic Optimization of an Open Pit Mining Complex in the COSMO Suite Framework <i>Ziad Saliba</i>
14:30 – 15:00	High-order Stochastic Block-support Simulation <i>Joao Pedro de Carvalho</i>
15:00 – 15:30	Open-pit Mine Production Scheduling in the Presence of an In-pit Crusher Conveyor System <i>Carlos Andres Jimenez Builes</i>
15:30 – 16:00	Coffee Break
16:00 – 16:30	Dynamic Mid-term Optimization of a Mining Complex under Uncertainty <i>Fernanda Del Castillo S.</i>
16:30 – 17:00	Non-stationary High-order Simulation of Mineral Deposits <i>Amir Abbas Haji Abolhassani</i>
17:00 – 17:30	Closing Remarks: Research in the Year Ahead