



2012 PROFESSIONAL DEVELOPMENT SEMINAR SERIES

STRATEGIC RISK QUANTIFICATION AND MANAGEMENT FOR ORE RESERVES AND MINE PLANNING



COSMO Lab
Mining Engineering

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more information
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An Introduction to cutoff grade estimation: Theory and practice in open pit and underground mines

September 5-7, 2012, Montreal

Jean-Michel Rendu, Newmont Mining Corporation, USA

Cutoff grades are essential in determining the economic feasibility and mine life of a project. Learn:

- To solve most cutoff grade estimation problems by developing techniques and graphical analytical methods.
- The relationship between cutoff grades and the design of pushbacks in open pit mines, and the optimization of block sizes in caving methods.

Geostatistical mineral resource/ore reserve estimation and meeting the new regulatory environment: Step by step from sampling to grade control

September 10-14, 2012, Montreal

Marcelo Godoy, Golder Associates, Chile; Jean-Michel Rendu, Newmont Mining Corporation, USA; and Roussos Dimitrakopoulos, McGill University, Canada

Learn about the latest regulations on public reporting of resources/reserves through state-of-the-art statistical and geostatistical techniques.

- To apply geostatistics to predict dilution and adapt reserve estimates to that predicted dilution.
- How geostatistics can help you categorize your resources in an objective manner. Understand principles of NI43-101 and SME Guide.

Strategic risk management in mine design: From life-of-mine to global optimization

To be determined, Montreal

Gelson Batista, MPX, Brazil and Roussos Dimitrakopoulos, McGill University, Canada

Learn how you can have a significant, positive impact on your company's bottom line by utilizing strategic mine planning methodologies and software.

- Improve your understanding of strategic mine planning and life-of-mine optimization concepts.
- To improve your understanding of the relationship of uncertainty and risk, and how to exploit uncertainty in order to maximize profitability. Strategic mine planning software Whittle.

Mineral project evaluation techniques and applications: From conventional methods to real options

October 22-25, 2012, Montreal

Michel Bilodeau, McGill University, Canada

Learn the basics of economic/financial evaluation techniques, as well as the practical implementation of these techniques to mineral project assessments.

- How to gain a practical understanding of economic/financial evaluation principles.
- How to develop the skills necessary to apply these to support mineral project decisions.

NEW - Certification in Ore reserve risk and mine planning optimization

Starts May 7, 2012, Roussos Dimitrakopoulos, McGill University, Canada

Spread over a period of four months, this four-week course is designed for busy mining professionals who wish to update their skills and knowledge base in modern modelling techniques for orebodies and new risk-based optimization methodologies for

STRATEGIC MINE PLANNING.

Gain practical experience by applying the following hands-on concepts and technical methods:

- Methods for modelling orebodies.
- Stochastic simulations, case studies and models of geological uncertainty.
- Geological uncertainty linked to mine planning.
- Demand-driven production scheduling and geological risk.

For more details please visit- www.mcgill.ca/conted/prodep/ore/