



McGill

Post Doctoral Research Fellow Positions in

Spatial Stochastic Simulation

Highly qualified candidates are sought for Post-Doctoral Research Fellow positions in the above area and to work under the research programs of McGill's COSMO-Stochastic Mine Planning Laboratory. COSMO Lab is generously supported by global mining companies: AngloGold Ashanti, Barrick Gold, BHP Billiton, De Beers, Newmont Mining and Vale. Funding is also provided by NSERC, the CRC Program and CFI. Research stresses the development of new risk based integrated technologies in strategic mine planning and operation of mining supply chains as well decision-making under uncertainty.

Research programs are founded upon developing new stochastic simulation methods and optimization approaches in planning production in mining complexes with uncertainty. Emphasis is placed on high-order mathematical models of uncertainty, suitable for modelling complex non-linear, non-Gaussian spatial attributes of mineral deposits. These models provide inputs to new stochastic optimization formulations developed to plan production in mining complexes. Component of research is the testing of new methods at sites world-wide, thus providing interaction of methods with reality. In conjunction with their research, candidates are expected to interact with graduate students and mining professionals, and be involved in the diverse projects of the COSMO Lab including global knowledge mobilization activities.

The ideal candidates should hold a PhD degree in a related field preferably in computer science or image processing or mining engineering or applied maths along with a suitable academic and publications record, excellent analytical and programming skills (C and C++).

Salary is commensurate to qualifications.

For further information, please contact:

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