



MIRARCO is a university-based mining research centre that has been creating novel solutions to the challenges facing the mining industry for over 10 years. MIRARCO is a not-for-profit corporation comprised of a dedicated workforce of professionals and students at all levels of post-secondary education. This hybrid of academic and professional dynamics has helped advance the innovative research for which MIRARCO is well known.

### **SOT+ Research Project Opportunities**

MIRARCO's Schedule Optimization Tool (SOT) optimizes the net present value of underground mine schedules, including both access development and production. A three-year research project is being undertaken to extend the application of SOT, resulting in a new mine plan optimization tool called SOT+. The work is centered on a series of case studies donated by mining companies, undertaken by researchers seconded to their mine planning departments. These specialists, currently being recruited, will be graduate students or postdoctoral candidates having background knowledge of mine planning and trained in the use of software tools for mine planning. Mining company representatives are invited to request a copy of the project proposal by contacting the project coordinator, Glenn Lyle [glyle@miningexcellence.ca](mailto:glyle@miningexcellence.ca) or the project lead, Lorrie Fava [lfava@mirarco.org](mailto:lfava@mirarco.org).



### **Mine Planning Specialist / Graduate Student Opportunities**

MIRARCO is recruiting mine planning specialists for the SOT+ project. The successful candidates will have the opportunity to register for a higher degree while contributing to an industry-sponsored research project in the area of mine planning. The specialists will each be embedded in the mine planning department of a sponsor mining company to lead a case study, and will carry out research complementing one of the project themes. These themes include: ore blending, sensitivity analysis and advanced valuation, ventilation constraints, geotechnical constraints, and bulk mining. The following qualifications are required.

- University degree in mining engineering or a related field.
- Mining industry experience, with knowledge of mine planning.
- Excellent interpersonal, verbal and written communication skills.
- Proven attention to detail.
- Proven time-management, organization and prioritization skills to meet deadlines.
- Ability to work both independently and as part of a team.
- Self-motivated and committed to continuous learning.

To apply, please submit your CV to [info@mirarco.org](mailto:info@mirarco.org) , quoting "Mine Planning Specialist" in the subject heading.

[www.mirarco.org](http://www.mirarco.org)