



Post-Doctoral Fellowship

PROJECT DESCRIPTION

The Postdoctoral position will be associated with the project “Robust Optimization for Mine Planning (SOT+)”, conducted in partnership between MIRARCO, Queen’s University, and RPMGlobal. The goal of this project is to enhance RPMGlobal’s Schedule Optimization Tool (SOT), specifically in the aspect of optimizing the robustness of mine schedules. The successful candidate will engage with academic, industry and mining partners for proof of concept studies and validation case studies, leading to commercial deployment of new SOT functionality for the mining industry.

JOB DESCRIPTION

MIRARCO is seeking a recent Ph.D. graduate with an understanding of underground mine planning and some experience in mine planning software. The PDF will be involved in several research and development aspects of the SOT+ project as a member of a collaborative team. The candidate will be based at Queen’s University, working closely with MIRARCO’s Software Group and RPMGlobal (both based in Sudbury, Ontario), and is expected to spend time working at each location.

REQUIREMENTS:

- Ph.D. in Mining Engineering, or a closely related field. You must have completed all requirements of your doctoral degree;
 - Knowledge of the mining industry;
 - Course or practical experience in mine planning software;
 - Demonstrated understanding of mine planning and an interest in mine planning software.
- ❖ The following would be an asset:
- Familiarity with geomechanics;

- Operations research knowledge;
- Software development experience.

The candidate should be able to demonstrate:

- Proven time-management, organization/prioritization skills to meet deadlines;
- Excellent interpersonal, verbal and written communication skills;
- Self-motivation and a commitment to continuous learning;
- Ability to work both independently and as part of a team.

APPLICATION REQUIREMENTS

Please note that all documents have to be converted and merged into **a single PDF document** and attached **as one PDF file**.

- A cover letter with a statement of relevant experience and research interests
- Up-to-date curriculum vitae
- Links to any publications
- Contact information of two referees of which one should be your Master's or Ph.D. supervisor.

The postdoctoral/research associate position is for 18 months starting as early as November 1st, 2024 (start date flexible) and dependent on grant funding.

To Apply:

Please submit the complete application file to info@mirarco.org, also quote “**SOT+ PDF Fellowship**” in the subject heading. Although we appreciate all candidates' interest in this position, only those selected for an interview will be contacted.