

Master's Student Positions in CFD Modelling and Geomechanical Modelling

MIRARCO develops novel solutions to challenges facing the mining industry. In collaboration with Laurentian University, we are currently recruiting Master's students for research positions in computational fluid dynamics (CFD) and Geomechanics, for a collaborative project with mining industry partners. Responsibilities in addition to CFD or geomechanical modelling and design work will include contributing to refinement of the research approach based on intermediate results, preparing periodic reports and presentations, and laboratory work.

Required for the CFD Modelling student positions:

- Bachelor's degree in Mechanical Engineering or a related discipline
- Knowledge of heat transfer and fluid mechanics
- Excellent interpersonal, verbal, and written communication skills
- Exceptional time-management, organization, and prioritization skills to meet deadlines
- Self-motivated with attention to detail

Each of the following would be a strong asset:

- Experience in mechanical engineering, instrumentation, and industrial design
- Experience in using Ansys Fluent and UDFs
- Experience in laboratory work

Required for the Geomechanical Modelling student positions:

- Bachelor's degree in Mining Engineering or a related discipline
- Knowledge of geomechanics and fracture mechanics
- Excellent interpersonal, verbal, and written communication skills
- Exceptional time-management, organization, and prioritization skills to meet deadlines
- Self-motivated with attention to detail

Each of the following would be a strong asset:

- Experience in laboratory-scale testing, instrumentation, and monitoring
- Experience in geomechanics modelling software (e.g., Flac, Map3D) and fracture mechanics numerical modelling

To Apply: Please submit resume to info@mirarco.org. Reference "**Master's position - CFD Research**" or "**Master's position - Geomechanics Research**" in the subject heading. Applications will be accepted until the positions are filled