

JOB POSTING

Researchers in CFD Modelling and Geomechanical Modelling

MIRARCO develops novel solutions to challenges facing the mining industry. We are currently seeking computational fluid dynamics (CFD) and geomechanics researchers for a collaborative 2-year 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** position:

- Bachelor's degree in Mechanical Engineering or a related discipline
- Broad knowledge of heat transfer and fluid mechanics
- Expertise in using Ansys Fluent and UDFs
- 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:

- M.Sc. or Ph.D. in Engineering, Math, or Computer Science
- Expertise in mechanical engineering, instrumentation, and industrial design
- Experience in laboratory work
- Experience in project management

Required for the **Geomechanical Modelling** position:

- Bachelor's degree in Mining Engineering or a related discipline
- Proficiency in geomechanics
- Expertise in geomechanics modelling software (e.g., Flac, Map3D)
- 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:

- M.Sc. or Ph.D. in Mining Engineering or a related discipline
- Experience in laboratory work
- Experience in project management

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