

**Rock Mass Digital Twin and Supercomputing Technologies (RMDT & ST) Lab @
Catholic University of Chile**

Funded multiple Ph.D. positions

Requirements

We are seeking **highly motivated candidates** with an engineering degree in one of the following areas: **Rock Mechanics, Mining Engineering, Civil and Geotechnical Engineering.**

Ideal candidates should demonstrate proficiency in one or more of the following areas:

1. Numerical modeling (both applied and theoretical)
2. Underground Mine Design
3. Programming skills in **MATLAB, Python, or C++**
4. Data science
5. GPU-based scientific computing and parallel programming

If you are passionate about solving real-world challenges in mining and geotechnics through computational modeling and innovation, we encourage you to apply!

Application

To apply, please email the following documents to **Dr. Amin Hekmatnejad** at ahekmatnejad@uc.cl by **April 30, 2025**:

- a) Academic transcripts
- b) Curriculum Vitae (CV)
- c) Publications in English
- d) Two recommendation letters

Shortlisted candidates will be invited for an online interview.

We look forward to your applications and the potential contributions you can make to our cutting-edge research lab.