

**Geotechnical Engineer**

**Expertise** Rock mechanics, numerical modeling, slope stability analysis, field/site characterization

**Education** Bachelor of Science (Geological Engineering), 2004  
Colorado School of Mines, Golden, Colorado, USA

**Professional Experience**

2009 - Present *Itasca S.A., Santiago de Chile, Geotechnical Engineer*

2004 - 2009 *Knight Pièsold Ltd., Vancouver, Canada, Geological Engineer*

**Project Experience**

*Rock Mechanics Applied to Surface Mining:* Geotechnical assessments for design of open-pit mines: rock mass characterization, kinematic analysis and limit-equilibrium slope stability analysis.

*Water Management Applied to Mine Studies:* Development of overall water balances for mine studies and assessment of tailings-embankment seepage potential using finite element analysis.

*Site Characterization:* Design and management of hydrogeological and geotechnical site-characterization field programs, design and installation of groundwater quality-monitoring wells for baseline environmental-data collection, groundwater-quality sampling, geomechanical rock-mass characterization for underground and open-pit mine design, air-photo interpretation for terrain analysis and field mapping.