

Christian Cancino Martinez

Geomechanics Engineer

<i>Expertise</i>	Rock mechanics applied to mining and numerical modeling
<i>Education</i>	Mining Engineer, 2016 Universidad de Santiago de Chile, Chile
<i>Honors</i>	Ping Engineering, DAAD (2014)
<i>Keynote Lectures</i>	Second International Slope Stability in Mining Conference, Perth, Australia 2021

Professional Experience

2019 – Present	<i>Itasca Consulting Group, Inc., Minneapolis, MN Geomechanics Engineer</i>
2017 – 2019	<i>Itasca SpA, Santiago, Chile Project Engineer</i>
2016	<i>Itasca SpA, Santiago, Chile Thesis Student</i>

Project Experience

Rock Mechanics Applied to Surface Mining: Numerical modeling projects for diverse problems at some of the largest open-pit mines in the world, including Chuquicamata, Collahuasi, and Escondida (Chile); Jwaneng and Karowe (Botswana); Bingham Canyon, Cortez, and Morenci (USA); Antapaccay (Peru); and Bajo de la Alumbrera (Argentina). Surface-mining activities: estimating rock mass properties, calibrating numerical models for slope stability assessments, back-analyzing slope failures, and studying remedial measurements (dewatering, buttresses, step-outs, structural support, unloading excavations, etc.).

Rock Mechanics Applied to Cave Mining: Consulting and numerical modeling for diverse problems in cave mining, including extraction-level layout assessments, evaluation of caving potential and caveability, prediction of gravity flow of broken ore, surface subsidence. Consulting services for Chuquicamata, El Teniente, and Andina mines (Chile); New Afton (Canada); Resolution (USA); and Venetia (South Africa).

Numerical Analysis for Practical Geo-engineering Application: Application of numerical models in a variety of practical geo-engineering studies, including large landslide analysis in Aknes, Norway.