Christian Cancino Martinez – ITASCA Minneapolis



Geomechanics Engineer

| Expertise | Rock mechanics applied to mining and numerical modeling |
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| Education | Mining Engineer, 2016 Universidad de Santiago de Chile, Chile |
| Honors | A Ping Engineering, DAAD (2014) |
| Keynote Lectures | Second International Slope Stability in Mining Conference, Perth, Australia 2021 |
| Professional Experience | |
| 2019 – Present | ITASCA Minneapolis Geomechanics Engineer |
| 2017 – 2019 | ITASCA Chile Project Engineer |
| 2016 | ITASCA Chile Thesis Student |

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.