

Principal geotechnical engineer

Expertise **Structural Engineer and Geotechnical Engineering. Open pits and rock waste dumps geotechnical design. Slope stability modelling and geotechnical design.**

Education M.Sc. Geotechnical Engineering, 2005
Pontificia Universidad Católica, Santiago, Chile

B.A.Sc. Structural Engineering, 2005
Pontificia Universidad Católica, Santiago, Chile

Professional Affiliations Sociedad Chilena de Mecánica de Rocas

Professional Experience

2023 – Present	Itasca S.A., Santiago, Chile Project Manager / Principal Geotechnical Engineer
2018 – 2023	Itasca S.A., Santiago, Chile Project Manager / Senior Geotechnical Engineer
2016 – 2017	Golder Associates S.A., Santiago, Chile Senior Geotechnical Engineer
2015 – 2016	Golder Associates Inc, Portland, U.S.A Senior Geotechnical Engineer
2009 – 2015	Golder Associates S.A., Santiago, Chile Project Manager / Geotechnical Engineer
2007 – 2008	Golder Associates Ltd, Vancouver, Canada Geotechnical Specialist
2004 – 2007	Golder Associates S.A., Santiago, Chile Junior Geotechnical Engineer

Project Experience

Rock Mechanics Applied to Surface Mining: Has carried out the definition of field investigations including borehole campaigns and surface mapping, data gathering on the field, definition of structural domains and strength properties of structures, rock mass characterization, slope stability analysis using limiting equilibrium and SRF, deformation analysis using finite elements, kinematic analysis, rockfall assessment and geotechnical design of open pits and slopes.

Rock Mechanics Applied to Underground Mining: Has carried out the definition of field investigations including borehole campaigns and surface mapping, data gathering on the field, definition of structural domains and

strength properties of structures, rock mass characterization, slope stability analysis using Mathews method, tunnel design support using empirical methods.

Waste Rock Facilities: Has carried out the definition of field investigations including borehole campaigns and surface mapping, data gathering on the field, foundation characterization, waste rock characterization, slope stability analysis using limiting equilibrium, rockfall assessment, runout assessment and geotechnical design of waste rock facilities.