

Geotechnical Engineer

Expertise

Soil and Rock Mechanics, Numerical Modeling

Education

Engineering diploma (Civil Engineering), 2008
Institut National des Sciences Appliquées, Lyon, France

Professional Experience

2011 - Present

*Itasca Australia Pty Ltd, Melbourne
Geotechnical Engineer*

2008 - 2011

Itasca Consultants S.A.S., Ecully, France, Geotechnical Engineer

2007 - 2008

*Institut National des Sciences Appliquées, Lyon, France
Research Assistant (PTE)*

2006

Arcadis, Lyon, France, Geomechanical Engineer Intern

Project Experience

Numerical modeling of underground nuclear waste disposal. Involved in several studies including the analysis of the long-term behavior of the concrete support in a deposition tunnel, and the design verification for tunnel support.

Investigation of large open-pit slope stability and probability of failure.

Numerical modeling applied to underground mining operations.

Analysis of the effect of temperature on the behavior of an arch dam in Morocco.

Stability analysis of a 30-year-old cavern, taking into account the potential rupture of anchors (EDF, French Electricity Authority).

Numerical modeling of a rock-fill dam built above a concrete gallery at the base.

Performance of an inverse analysis procedure to determine the mechanical parameters of a soil within the framework of the digging of a tunnel in Toulon (France).