

Nils Ehringhausen

Expertise

Geotechnical Engineering; Rock Mechanics, Numerical simulation, Model Generation (meshing), Software Sales

Education

*Master of Science (Geosciences), 2016
Institute of Geology, Mineralogy & Geophysics
Ruhr-Universität Bochum*

*Bachelor of Science (Geosciences), 2014
Institute of Geology, Mineralogy & Geophysics
Ruhr-Universität Bochum*

Professional Experience

2017- Present

*ITASCA Consultants GmbH, Gelsenkirchen
Consultant*

August 2017 - October 2017

Internship ITASCA Consultants GmbH, Gelsenkirchen

Project Experience

Numerical Analysis and Assessment of Seismic Stability of Engineered Barrier System (EBS) using Distinct Element Model (2021).

Influence of former near-surface mining on a road construction project in the district Steinfurt, Germany (2020, 2021).

Determination of safe underground mining design for an underground mine under consideration of the mining, geological and geomechanical conditions (2020).

Assessment, confirmation and optimization of block caving parameters, groundwater investigation and dewatering for a diamond mine (2020 – 2022).

Numerical Simulation of Shaft Sinking Using the Artificial Freezing Method (2018, 2019).

Development of a Numerical Geomechanical Model for a room and pillar mining system of a Potash deposit - Solving a Series of Prognostic Problems on Stability of Development and Extraction Mine Openings (2017, 2018).