Nils Dahlhaus

[Geoscientist]

Expertise	Geophysics, Rock Mechanics, Numerical simulation, Model Generation (meshing), Scripting, Training course instructor, Visual Basic and Python programming
Education	Master of Science (Geosciences), 2021 Ruhr-Universität, Bochum, Germany Bachelor of Science (Geosciences), 2017 Ruhr-Universität, Bochum, Germany

Professional Experience

October 2021 – Present	Itasca Consultants GmbH, Gelsenkirchen, Germany Project Engineer

Project Experience

Creation of meshes and modelling for a cave mining project (2021).

Development of a workflow to create open pit models and stability analyses (2021-2022).

Specialized support of BASE in safety analyses within the framework of the nuclear waste repository selection procedure (2022-2023).

Modelling of generic nuclear waste repositories based on the ERA Morsleben (2022-2023).

Training course instructor for scripting and the use of Python in FLAC3D (since 2023).

Conducting rock mechanics simulations and designs in clay and crystalline host rocks (since 2023).