

Working title

Definition of discontinuities in case of foliated rock (foliation)

Project objectives

Determination of the mechanical properties of the discontinuities using selected examples of Phyllites in the Central Alps (Switzerland and Austria). Backcalculation on the influence of the schistosity on the tunnel stability. Determining the influence of tunnelling on the activation of potential discontinuities.

Student has enthusiasm for

Enthusiasm for numerical geotechnics and interest in rock mass classification as well as HSSR material with anisotropic behaviour.

Requirements on student

Basic courses

Start (earliest / latest)

2024

Project term (min. / max.)

6 – 12 months

Coop. with external institution

Contact person

Thomas Marcher
thomas.marcher@tugraz.at, +43 316 873 - 8614