

## Master thesis (30 ECTS)

### Working title

Numerical modelling of soft rock

### Project objectives

Numerical modelling of various rock mechanical laboratory tests as well as a tunnel in transitional rock / hard soil/soft rock (HSSR) under different constraints. Thesis includes the results, methodology, boundary conditions, assumptions made and interpretations of the evaluation. The results contribute to the overall rock mass characterization of the lithology.

### Student has enthusiasm for

Numerical modelling, rock mass characterization, hard soil/soft rock

### Requirements on student

Attention to detail, engagement, reliability

### Start (earliest / latest)

February 2024 / April 2025

### Project term (min. / max.)

Approx. 6 months full-time

### Coop. with external institution

no

### Contact person

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