

Presentation of NTNU, department of Geoscience and Petroleum

and the engineering geology and rock mechanics
group

<https://www.ntnu.no/igp>

Who are we and what we do?

Rock engineering

Prof. Bjørn Nilsen, associate professor Krishna Panthi, Prof II Eivind Grøv and Reginald Hermans

Engineering geology superficial deposits, hydrogeology, geoenergy and environmental geology

Prof. Bjørn Frengstad, associate professor Randi Kalskin Ramstad, associate professor II Terje Bargel

Rock mechanics

Prof. Charlie C. Li and associate professor Nghia Trinh

Laboratory

Head engineer Gunnar Vistnes



Teaching

Field of studies:

- Technology and science, international master programs

Yearly around:

- 25-30 master thesises
- 2-4 PhD thesises



Research

- Hydropower – HydroCen
- TBM (Tunnel bore machine)
- Rock stability
- Groundwater for energy purposes (ATES – aquifer thermal energy storage)
- Borehole thermal energy storages (BTES)
- Strength properties of Norwegian tills (landslides)