

Professor Name

Shinya Inazumi (Mr.)

Laboratory name

Geotechnical Engineering Laboratory

Laboratory Website

<https://www.shibaura-it.ac.jp/en/research/laboratory/00290.html>

Keyword

Soil Mechanics; Rock Mechanics; Foundation Engineering; Slope Stability; Liquefaction Analysis; Soil-Structure Interaction; Ground Improvement Techniques; Geosynthetics; Environmental Geotechnics; Geotechnical Earthquake Engineering; Pavement Engineering; In-situ Testing; Laboratory Testing of Soils; Numerical Modelling; Risk Assessment in Geotechnics; Tunnelling and Underground Spaces; Geotechnical Instrumentation

Tasks in the laboratory

Detailed soil mechanical properties analysis;
Soil liquefaction risk assessment during earthquakes;
Landslide risk assessment for earthquakes and heavy rainfall;
Environmental geotechnical research;
Development and evaluation of soil improvement techniques;
Underground space utilization research

Program period

At lease 1 month

Required skills

None in particular

Desired skills (Preferred skills)

None in particular

Eligibility-school year

- Bachelor 3rd
- Bachelor 4th or higher
- Master 1st
- Master 2nd
- PhD 1st
- PhD 2nd
- PhD 3rd

Eligibility-student's major/fields

- Mechanical
- Chemistry
- Material
- Electrical
- Electronic
- Computer Science
- Life Science
- Mathematical
- Civil Engineering
- Architecture
- Engineering and design
- Other