

Semester Projects (2nd/3rd semester Masters)

2023

Characterisation and Use of 3D Printed Fibre-Reinforced Polymer for Physical Modelling	<i>Nicola Abt, Christine Lenertz, Govinda Ott</i>
Comparison of design safety levels between current geotechnical Swiss norms and Eurocode 2 nd generation	<i>Linard Augustin, Julien Theux, Fabian Killer, André Märki</i>
Calibration and Characterisation of a new Robotic Sand Pluviator for Centrifuge Model preparation	<i>Marco Kunz, Kevin Kuwegu</i>
Analysis of the Türkiye Earthquake 2023	<i>Basil Amrein, Michael Mettraux</i>
Characterization of Ottawa Sand for the New Pluviator System	<i>Altin Suli, Yannick Kummer</i>

2022

Undrained loading of sands: Impact of sample preparation	<i>Johanna Renner</i>
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2021

Design of a Retaining System using the Observational Method	<i>Ben Glarner, Yannick Jäggi, Hans Steiner, Levin Derzi, Christopher Diemand, Lorenz Gygi, Nico Rösch, Raphael Sieber, Lukas Vogt, Tiziano Colombo, Philipp Farner, Yan Thill, Siro Gianinazzi, Andrea Luca Hauenstein, Nora Amina Meier</i>
Characterization of Hostun Sand	<i>Eva Brunschweiler</i>
Characterisation of the Duxseal Material	<i>Gaspar Marcell</i>
Effectiveness of simplified design methods for flexible retaining walls	<i>Cornel Stocker</i>

2019

Partially Drained Monotonic Triaxial Tests for Hostun Sand	<i>Nathalie Lauber, Andreas Näsboom</i>
Element test characterisation of Perth sand	<i>Floriane Bühler, Séverin Perrey</i>
Design of a highway lane-cover structure	<i>Lucas Schnell, Sandro Degonda, Sven Schilter, Adil Aksoy, Oliver Wach, Rafaela Zeiter, Johannes Rüegg, Birundthan Suntharalingam, Marco Wuhrmann, Arik Baruch, Gabriel Belser, Raphael Galliker, Florian Eigenmann, Roman Gisler, Matthias Müller</i>
Hidden information in the liquid limit determination test results?	<i>Tolga Nockemann, Moritz Studer</i>
Geotechnical design of an Underground Metro Station	<i>Pascal Küng, Coralie Taccoz, Nando Truffer, Daniel Alig, Pascal Amrein, Alexander Bernold, Antoine Steberl, David Ostergaard, Julian Hofer, Lukas Bachmann, Davide Biondini, Riccardo Cavegn, Yanik Pfister</i>

2018

Seismic behavior of retaining structures founded in granular soils	<i>Seraina Buholzer, Michelle Stucker,</i>
Influence of layering on liquefaction susceptibility of medium-dense sands	<i>Nathalie Reckinger, Caroline Wirion</i>

2017

Undrained behaviour of sand in monotonic and cyclic triaxial tests	<i>Lars Ackermann, Aurélie Koch, Leonardo Kocher, André Weis</i>
Geotechnical design of an Underground Metro Station	<i>Jan Attinger, Fabian Morger, Pascal Pulver, Pascal Bernhard, Rafaël Haller, Fabian Küttel, Sebastian Wehrli, Daria Meier, Michael Merkli, Martina Schuler, Sebastian Arancibia, Giannis Gkremos, Marina Voudrisli, Alexander Keller, Philipp Limburg, Jérémie Theubet</i>
Stress-strain relations at low stresses in triaxial shearing	<i>Elisabeth Goerens, Philippe Wiederkehr, Andrin Leimgruber, Luca Imfeld</i>
Excavation for a housing complex in Baar	<i>Pascal Häller, Jonas Riteco, Nan Zhu, Jeremy Külling, Marius Ludwig, Vincent Scherer, Andri Covini, David Lindegger</i>
Influence of Seismic Signal Parameters on the Behaviour of Geotechnical Structures	<i>Fiona Hefti, Pirmin Scherer, Florian Schmid</i>
Interface Tests in a Direct Shear Box	<i>Janine Felder, Fabian Kastner</i>
Monotonic element tests of liquefiable sand taking into account fluid flow	<i>Christine Müller, Federico Sartori</i>

2016

Design of a highway lane-cover structure	<i>Fabian Aemisegger, Nicolas Jungo, Sebastian Klar, Aida Santos Santamaria, Carmen Lageder, Marco Malfatti, Fabio Janka, Timmy Kuipers, Michael Mühlemann, Lukas Bodenmann, Timo Gfeller, David Walker</i>
Bestimmung des Dilatanzwinkels von Sand im Triaxialgerät in Abhängigkeit der Kornform	<i>Larissa Salis, Eva Sauter, Rolf Kaiser, Matthias Senska</i>
Sicherheit von Flussdämmen unter Erdbebeneinwirkung	<i>Nathan Bender</i>
Einfluss der Parameter von Erdbebenzeitverläufen auf Böschungsgleitverschiebungen	<i>Patrick Truffer</i>
Baugrube Wankdorfallee Bern	<i>Dusko Bekcic, Roman Hettelingh, Jens Hunhevicz, François Bovier, Jonas Christen, Nils Schriber, Nicolas Kistler, Marco Rust, Stephan Schilling, Sharveen Rajah, Matthias von Gunten, Alexandra Wellig</i>