Doctoral theses

Since 1935, 21 doctoral thesis have been defended at the EPFL by doctoral candidates at the Laboratory for Soil Mechanics or the Laboratory for Rock Mechanics (or its predecessor the Geotechnical Laboratory). The following list is arranged in inverse chronological order with the official EPFL thesis number (note: titles have been translated into English)

Gueye, I. 1993, Shear strength of unsaturated soils and slope stability, No. 1186
Pellet, F. 1993, Strength and deformability of stratified rock masses reinforced by passive anchors, No. 1169
Stuckrath Martinenghi, L. 1992, A study of pile behavior in different soil types including installation effects. No. 1074
Gutierrez, A. 1992, Stability of supporting walls taking into account displacements, No. 1052
Stojanovic, M. 1991, Probabilistic analysis of earth slopes, No. 965
Karaca, M. 1991, Stability of shallow tunnels in a distinct medium, No. 945
Bolle, A. 1988, Probabilistic approach in soil mechanics taking into account spatial variability, No. 743
Sahli, M. 1988, Viscous flow laws for geomaterials, application to sandstone, No. 741
Spang, K. 1988, Contribution to the computational analysis of fully injected anchors for the stabilisation of rock mechanics projects in layered or fissured rock masses, No. 740
Oboni, F. 1988, Probabilistic evaluation of the behaviour of axially loaded drilled piles, No. 716
Vulliet, L. 1986, Modelling of natural slopes in movement, No. 635
Bourdeau, P. 1986, Probabilistic analysis of settlement in a granular soil mass, No. 628
Seker, E. 1983, Study of the deformation of an unsaturated mass, No. 492
Van Cauwelaert, F. 1983, Anisotropic elasticity applied to the mechanics of granular media and rocks, No. 477
Gencer, M. 1982, Progressive rupture of layered and fissured rock slopes, No. 457

Costopoulos, S. 1980, Displacement fields in a soil behind an anchored wall, No. 417
Vuilleumier, F. 1977, Contribution to the study of stress-strain laws in granular media, No. 292
Marche, R. 1974, Solicitation by bending of piles caused by the layers through which they pass, No. 171
Regamey, P. 1943, Underground and surface water flow in treated soils, No. 15
Ruckli, R. 1943, Frost susceptibility of soils and roadway foundations, No. 14
Feylessoufi, E. 1940, Study of some groundwater flows, No. 12

Theses in progress

Montani Stoffel, S. Dynamic behaviour of the covering of protection galleries for rock falls
Habimana, J. Geomechanical characterisation of cataclastic rocks encountered in underground excavations through the Alps
Huot, F. Determination of the elastic characteristics of soils by acoustic monitoring (this thesis will be defended at the University of Lausanne)
Geiser, F. Hydromechanical behaviour of unsaturated soils
Klubertanz, G. Modelling of the initial phases in debris flows
Estoppey, D. The molasse in the Lausanne-Geneva region: relation among geology, geotechnical aspects and excavation by tunnel boring machine
Mayoraz, F. Mechanical behaviour of non stabilised granular media under cyclic solicitations (enrolment in doctoral programme in 1997)
Kern M. Dynamique des écoulements granulaires (en collaboration avec le SLF, Davos)
Schillinger L. Comportement des sols injectés
Bouchelaghem F. Modélisation de l’injection des sols

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