



ÉCOLE POLYTECHNIQUE
FÉDÉRALE DE LAUSANNE

Doctoral theses

Since 1935, 21 doctoral theses 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

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 a 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*