

Journal papers

Tran-Manh, H., Sulem, J., Subrin, D. (2015). A Closed-Form Solution for Tunnels with Arbitrary Cross Section Excavated in Elastic Anisotropic Ground. *Rock Mech Rock Eng* 48:277–288. doi: 10.1007/s00603-013-0542-0

Tran-Manh, H., Sulem, J., Subrin, D. (2015). Interaction of circular tunnels in anisotropic elastic ground. *Géotechnique* 65:287–295. doi: 10.1680/geot.14.P.178

Tran-Manh, H., Sulem, J., Subrin D., Billiaux, D. (2015). Anisotropic Time-Dependent Modeling of Tunnel Excavation in Squeezing Ground. *Rock Mech Rock Eng*. doi: 10.1007/s00603-015-0717-y

Tran-Manh, H., Sulem, J., & Subrin, D. (2016). Progressive degradation of rock properties and time-dependent behavior of deep tunnels. *Acta Geotechnica*. doi:10.1007/s11440-016-0444-x

Invited lectures

Sulem, J., & **Tran-Manh, H.** (2014). Modelling of rock anisotropy in squeezing ground. In: *MIR 2014, Interventi ed opere nelle formazioni complesse*, Chapitre 7, Ed (G. Barla), 135-155.

Tran-Manh, H. (2015). Tunnelling in anisotropic squeezing conditions. In *5th International workshop of Young Doctors in Geomechanics, W(H)YDOC'15*, Marne-la-Vallée, France

Tran-Manh, H. (2016). Comportement différé et anisotrope des tunnels en terrain poussant. In *Journées Nationales de Géotechnique et de Géologie de l'Ingénieur, JNGG2016*, Nancy, France

Conference papers

Tran-Manh, H., Sulem, J., & Subrin, D. (2013). Comportement des tunnels en terrain tectonisé : Exemple de la descenderie de Saint-Martin-La-Porte. In *CIGOS 2013: Construction et Développement durable*. Lyon, France.

Tran-Manh, H., Sulem, J., & Subrin, D. (2014). Analyse des résultats d'auscultation de la descenderie de Saint-Martin-La-Porte. In *Journées Nationales de Géotechnique et de Géologie de l'Ingénieur JNGG2014*. Beauvais, France.

Tran-Manh, H., Sulem, J., & Subrin, D. (2014). Analysis of the geotechnical data monitored during Saint-Martin-la-Porte access gallery excavation. In *2014 ISRM European Rock Mechanics Symposium (EUROCK 2014)*. Vigo, Spain.

Tran-Manh, H., Sulem, J., Subrin D., Billiaux, D. (2015) Modeling of anisotropic time-dependent deformation in the Saint-Martin-La-Porte access adit. In *2015 ISRM European Rock Mechanics Symposium (EUROCK 2015)*. Salzburg, Austria.

Liu, Y., Sulem, J., Subrin D., **Tran-Manh, H.** (2020) Long-term behavior of lined tunnels excavated in squeezing ground – In *Fifth International Itasca Symposium* . Vienna, Austria

Liu, Y., Sulem, J., Subrin D., **Tran-Manh, H.**, Humbert, E (2020). Modélisation des tunnels excavés dans les terrains fortement tectonisés - In *Journées Nationales de Géotechnique et de Géologie de l'Ingénieur JNGG2020*. Lyon, France.

Liu, Y., Sulem, J., Subrin D., **Tran-Manh, H.**, Humbert, E (2021). Numerical Modeling of Rock-Support Interaction Under Squeezing Conditions. *Challenges and Innovations in Geomechanics. IACMAG 2021. Lecture Notes in Civil Engineering, vol 126. Springer*, pp.403-410, 2021, doi:10.1007/978-3-030-64518-2_48.

Thesis

Tran-Manh, H. (2011). “Modelling the cavity expansion in a non-saturated soil: application to the pressuremeter test”. Master Thesis at École Centrale Paris (ECP).

Tran-Manh, H. (2014). “Comportement des tunnels en terrain poussant”. PhD Thesis at École des Ponts ParisTech (ENPC), Université Paris Est.