

CURRICULUM VITAE

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EDUCATION

PhD in Geotechnical Engineering

Universidad Politécnica de Cataluña, Spain, November 2010.

Master Degree in Earthquake Engineering

Universidad Nacional de San Juan, Argentine, December 2006.

Civil Engineer Degree

Universidad Nacional de San Juan, Argentine, March 2002.

SCOLARSHIP

Ministerio de Educación y Ciencia Español

Scholarship to PhD study "Soft Argillaceous Rocks. Models and Geotechnical Applications". Departamento de Ingeniería del Terreno. Universidad Politécnica de Cataluña, Barcelona, January 2007.

Agencia Nacional de Promoción Científica y Técnica

Scholarship to develop a "Study of Mechanical Behaviour of Mine Repositories under Static and Dynamics Loads." Instituto de Investigaciones Antisísmicas Ing. Aldo Bruschi. Facultad de Ingeniería. Universidad Nacional de San Juan, June 2002.

PUBLICATIONS

Zandarin M.T., Alonso, E.E., Olivella S. (2010) "A constitutive law for rock joints considering the effects of suction and roughness on strength parameters". International Journal of Rock Mechanics and Mining Sciences. (In progress)

Zandarin M.T., Alonso, E.E., Olivella S. (2010) "A joint element of coupled thermo-hydro-mechanical analysis". International Journal for Numerical and Analytical Method in Geomechanics. (In progress)

Zandarin M.T., Alonso, E.E., Olivella S. (2010) "A coupled thermo-hydro-mechanical formulation of joint elements". 13th International Conference of the International Association for Computer Methods and Advances in Geomechanics. 9-11 May 2011 Melbourne, Australia (In progress)

Zandarin M.T., Olivella S., Gens A., Alonso, E.E. (2010) "Thermo-Hydro-Mechanical Model of Canister Retrieval Test." Physics & Chemistry of the Earth. (Accepted)

Zandarin M.T., Olivella S., Gens A., Alonso, E.E. (2010) "Thermo-Hydro-Mechanical Model of Canister Retrieval Test." 4th International Meeting on Clays in Natural & Engineered Barriers for Radioactive Waste Confinement, Nantes.

María T. Zandarin, Luciano A. Oldecop, Roberto Rodríguez, Francisco Zabala (2009) "The role of capillary water in the stability of tailings dams". Engineering Geology 105 (2009) 108–118. ISSN: 0013-7952

Zandarin M.T., Olivella S., Gens A., Alonso, E.E. (2009) "A 1-D Thermo-Hydro-Mechanical Behaviour of the Middle Section of Canister Retrieval Test." Int. Conf. Impact of Coupled THMC Processes on Radioactive Waste Repositories, Luxemburg.

Ma. Teresa Zandarin; Luciano, Oldecop; Roberto Rodriguez Pacheco (2008) "Stability of a Tailings Dam Considering the Hydro-mechanical Behaviour of Tailings and Climate Factors". Unsaturated Soils. Advance in Geo-engineering: Proceedings of the First European Conference on Unsaturated Soils. Toll et al. (eds) Taylor & Francis Group, London. ISBN: 978-0-415-47692-8