

# Conferencista Magistral



***Procedimientos de ensayos  
avanzados de laboratorio para  
evaluar los parámetros  
hidromecánicos esenciales para  
modelar suelos y relaves  
licuables***

António Joaquim Pereira Viana  
da Fonseca

Universidade do Porto – FEUP  
Portugues

PhD, Professor in Geotechnical Engineering in Civil Engineering Department at University of Porto (FEUP), director of the geotechnical laboratory. Fellow and Past-president of the College of Geotechnical Specialists of Portuguese Institution of Engineers. The main areas of interest cover ground characterization, modeling of the behavior of natural and artificially deposited, compacted and improved soils, including mine tailings, seismic analysis, cyclic liquefaction, monotonic and flow liquefaction, behaviour of foundations and deep excavations. Responsible of several multiannual research programs as coordinator and (or) principal researcher, under national and international I&D system. Coordinator in Portugal of EU-H2020 research project “LIQUEFACT: Assessment and mitigation of liquefaction potential across Europe: a holistic approach” ([www.liquefact.eu](http://www.liquefact.eu)). Advisor for risk assessment and safety improvement of more than 50 tailings dams in Brazil (Federal Public Minister in MG); consortium panelist with CIMNE (UPC, Barcelona) for the analysis, modelling and computer simulations to assist in investigation of the probable determining and concurrent causes for rupture of the Dam I at Córrego de Feijão mine, Brumadinho. ((<https://bit.ly/34odrF8>)).