

Paulo Coelho is currently an Assistant Professor at the University of Coimbra, in Portugal. He has got his PhD from the University of Cambridge, UK, carrying out research on the effects of earthquake-induced liquefaction on shallow foundations built with and without liquefaction resistance measures, using dynamic centrifuge modelling as the main experimental research tool. Since then he has been carrying out experimental research on the monotonic and cyclic behaviour of soils and non-conventional geotechnical materials, including different residues such as mine tailings and municipal solid waste incineration bottom ash, to assess their use from a circular economy perspective. He currently leads a large Research Project focussing on the characterization of the behaviour of iron ore tailings and on the development of innovative applications for this type of residues that are being produced in massive amounts around the world in order to support the implementation of the so-called low-carbon energy paradigm in real life.