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Associate Professor of Civil Engineering with Full Professor Habilitation, 2008.  
Director of the Geotechnical Laboratory of Civil Engineering Department (LabGeo-FEUP).  
Geotechnical Specialist and Fellow (Counselor Member) of the Portuguese Institution of Engineers (OE-P).  
President of College of Geotechnical Specialists of OE-P.  
Chair of ISSMGE tech. committee TC102 "Ground Property Characterization from In-Situ Tests" (2013-2017).

Responsible and/or consultant for more than 100 projects of structures and special geotechnical works, including bridge foundations, embankments on soft soils, large excavations and tunnels (Portugal, Algeria, Brazil, Morocco, Mozambique, Poland and Spain). Coordinator of more than 300 experimental projects in LabGeo-FEUP, being the responsible of the respective formal technical reports.

Coordinator of several multiannual research programs as principal researcher and coordinator and effective researcher) in national and international I&D system, in the areas of experimental characterization by in situ and laboratory tests, modeling of geomechanical behaviour of non-textbook soils, seismic analysis and cyclic liquefaction, monotonic and flow liquefaction in tailings, behaviour of foundations and earth retaining structures in residual soils, and static and dynamic properties characterization and modelling of stabilized soils for subgrade and foundations. Presently coordinator in Portugal of EU-H2020 research project "LIQUEFACT: Assessment and mitigation of liquefaction potential across Europe: a holistic approach to protect structures / infrastructures for improved resilience to earthquake-induced liquefaction disaster", Portuguese coordinator of European Innovation Partnerships (EIPs) Commitment on Raw Materials – "Rose": Recycling Of Secondary raw materials for a sustainable optimization of construction processes in civil engineering.

Supervisor of 24 PhD thesis and of 66 MSc thesis.

Author/coauthor of more than 50 articles in international journals with referees (JRC/ISI, scopus H-Index: 11) and 33 others in national journals; 157 communications published in proceedings of international conferences (14 keynote/special lectures in Nat. & Int. conferences) and 60 in national conferences; 66 technical documents for workshops and courses. Author of 9 chapters of books and editor of 2 proceedings in international publishers; Author of 3 national books and 3 chapters in national books.