



AVVISO DI SEMINARIO

Béatrice Baudet

Professor of Soil Mechanics
University College London

Giovedì 22 Maggio 2025
ore 13:30-14:45

presso l'aula Caveau
Via Eudossiana 18

Proporrà, nell'ambito dei Lunch Seminars, il seminario dal titolo:

Critical state soil mechanics: A pore-based perspective

In this talk, Béatrice will present carried out at UCL and the Ecole Nationale des Ponts et Chaussées on linking the microstructure of clays to their macro-behaviour with special reference to the critical state framework.



Béatrice Baudet received her undergraduate engineering degree from the Ecole Spéciale des Travaux Publics (Paris) in 1997, and pursued her postgraduate MSc (Glasgow University, 1997) and PhD (City University London, 2001) studies in the UK. She joined University College London as a lecturer in 2001, which she left in 2010 to work at the University of Hong Kong (HKU) for six years, then she came back to UCL in 2016 where she is now Professor of Soil Mechanics. Her research career started as a constitutive modeller of natural clays, then at UCL she developed expertise in laboratory characterisation of soils including time effects, soil reinforcement, or granular soil mechanics. While at HKU, she developed a unique microscopy facility

which allowed her explore soils at the microscale, noticeably the characterisation of sand grain surface roughness and its change during loading, work which was awarded the 2021 British Geotechnical Association medal. She is continuing this research at UCL, as well as looking into the microstructure of clays and effects of pollutants of clay behaviour. Béatrice is currently an associate editor of the ASCE Journal of Geotechnical and Geoenvironmental Engineering, having previously sat on several other journal panels. She noticeably served two terms on the Géotechnique journal advisory panel and was part of the Géotechnique Letters journal founding panel, for which she acted as its deputy chair (2013-2016). She chairs the Belgian research grants panel FWO on Science and Technology of Constructions and the Built Environment.