



Politecnico
di Bari



CICLO DI INCONTRI DI INGEGNERIA GEOTECNICA

GEOTECHNICAL ENGINEERING WEBINARS

Microstructural changes underlying the compression behaviour of clays of different sensitivity

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An investigation of clay microstructure and its evolution upon compression is presented for clays of different classes, from soft to stiff. Results of microstructural analyses on several natural and reconstituted clays reported in the literature are compared to original results achieved for two Italian stiff clays, making use of scanning electron microscopy, image processing, mercury intrusion porosimetry and on purpose swelling tests. The influence of composition, geological and loading history on the clay microstructure is analysed, as well as the evolution of the clay microstructural features at different stages of both 1D and isotropic compression.

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15:30 - 16:30

[Webinar link](#)

