

Multi – scale analysis of soil improvement induced by use of binders

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12 hours – 3 CFU

Short Program of the Course:

- Physical properties and mechanical behaviour of treated soils - 2 hours
- Chemo-physical evolution of soil-binder-water system - 2 hours
- Qualitative and quantitative analysis of soil microstructure reorganization - 2 hours
- Correspondence between microstructure changes and mechanical behaviour - 2 hours
- Durability of soil treated by binders - 2 hours
- Soil treated by alkaline-activated binders - 2 hours

Prerequisites: no prerequisites are required