

9th May 2019 – h. 11:00-13:00

Aula 3, Earth Sciences Department, Via Valperga Caluso 35

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The contribution of the Engineering Geology in preserving Cultural Heritage.

Tangible Cultural Heritage is continuously impacted and weathered by several internal and external factors, both natural and human. Engineering geology and the applied earth science in general play an essential role on conservation and management of sites, remains, monumental sculptures and architectures. Applying geological data and techniques to the study of rock and soil materials, this discipline contributes to analyse the interaction of sites and fixed structures (i.e. monumental architectures) with the geological environment (i.e. soil and subsoil, natural processes), to investigate mechanical properties of geomaterials which constitute monuments and the relative decay, to identify the origin and exploitation sites of the stones used in the construction of monuments. The course aims to deep the above subjects with examples and cases study.