

Title: Conservation of the architectural heritage: interdisciplinarity of scientific research and design practice.

Lecturer: Ing. Stefania Landi

The cycle of seminars is aimed at proposing critical considerations and providing useful knowledge to address the challenges related to diagnostics and conservation of the architectural heritage, with reference to national and international case studies and research projects. The topics discussed include the recurring conflict between the need to limit invasive investigations and the need to obtain representative data, the need for specialised skills on the part of operators and professionals involved, and, at the same time, the adoption of a truly interdisciplinary study and project methodology, which allows to unravel issues that are apparently technical but, first and foremost, theoretical.

The four proposed lectures will deal with different themes and types of historical heritage, as outlined below:

- 1) Conservation and enhancement of small towns in 'inland areas' (2 hours)
- 2) Conservation and risk prevention for archaeological heritage (2 hours)
- 3) Conservation and reuse of industrial archaeology (2 hours)
- 4) Conservation and structural consolidation of reinforced concrete architectures (2 hours)

These themes call for dialogue between disciplines and professional sectors, that are often far apart, on issues relating to: traditional and modern building materials and systems, innovation in techniques for the diagnostics and conservation of the built heritage, legislation for cultural heritage, seismic and geomorphological safety, environmental sustainability, urban planning, and socio-economic policies. The aim of the seminar cycle is to show, therefore, how integrating and dialoguing the most diverse professional and disciplinary skills can bring concrete progress to the conservation of the historical architectural heritage.