



PhD in CONSERVAZIONE DEI BENI ARCHITETTONICI / PRESERVATION OF THE ARCHITECTURAL HERITAGE - 39th cycle

**PNRR 118 PC Research Field: THE QUALITY OF THE PRESERVATION PROJECT:
TECHNICAL SKILLS AND MANAGEMENT PROCESS FROM BLUEPRINT TO
CONSTRUCTION SITE**

Monthly net income of PhDscholarship (max 36 months)

€ 1195.5

In case of a change of the welfare rates during the three-year period, the amount could be modified.

Context of the research activity

**Motivation and objectives of the research
in this field**

The restoration of historical architecture, especially protected, is increasingly seen as a complex process involving different skills from the design phase to execution.

The complexity mainly stems from the fact that architectural heritage is a repository of knowledge, subject to continuous rediscovery and interpretations, requiring an adequate knowledge plan and also great technical skills to translate experiential knowledge into targeted, coherent, and respectful technical choices that uphold the values that a particular asset preserves.

Given the recognized complexity of conserving built heritage, it is equally clear that in the design and/or implementation phases of interventions, not all involved technicians and parties know how to address the emerging issues. This is due to a lack of clarity regarding the objectives that the project should set, a lack of dialogue among the parties involved (from the architect to the skilled worker), and a significant matter, the ongoing lack of clarity regarding the different levels of expertise and profiles required for project implementation.

These circumstances significantly undermine the quality of the project and the intervention. With the aim of contributing to a better definition of the requirements for a quality project, this research seeks to clarify the



	<p>relationship between the different phases of the process, from design to the construction site, by attempting to define – starting from the objectives that the project sets – the relationship between design phases, economic resources, and the necessary professional and technical skills.</p> <p>It also seeks to shed light on what emerges (and is lacking) in the existing regulations concerning the professional and technical figures involved in the restoration project.</p>
Methods and techniques that will be developed and used to carry out the research	<p>The research is conducted in collaboration with Assimpredil Ance within the framework of a shared project on defining the technical competencies for a high-quality restoration project.</p> <p>In particular, the partnership focuses on the delicate transition from project design to the construction phase, considering the challenges and difficulties regarding technical choices, dialogue among experts, and unforeseen circumstances management, among others.</p> <p>For this reason, the PhD student will actively participate in several ongoing restoration sites for a period of six months, with a particular emphasis on partnering with CORES4N SRL, an experienced restoration company, to observe firsthand their characteristics and critical aspects.</p> <p>Additionally, approximately six months will be spent abroad at the Polytechnic University of Valencia for a comparative analysis of built heritage project standards in an international context.</p> <p>The PhD programme, lasting three years, calls for the acquisition of minimum 25 credits divided as follow: 15 credits (minimum) offered by PhD courses organized by the PhD programme in Preservation of the Architectural Heritage; 10 credits offered by the PhD School (transferable and soft skills).</p> <p>Periodical milestones (every six months approximately), starting from the first year, will verify Ph.D. students' progress in individual research</p>
Educational objectives	<p>The primary objective is cultivating expertise in</p>



	formulating precise directives for managing the restoration process, from project conception to the construction site. Broadly speaking, the research endeavours to gain knowledge and hands-on experience in architectural heritage preservation, aiming to enhance understanding within this domain and in relation to other disciplines involved in the management and promotion of cultural heritage.
Job opportunities	The research type and the figure of researcher trained through it can find an exit into occupations that are not limited to the contexts of university and scientific research, but are open in general to study centers, research institutes, and institutional bodies engaged on the field of the preservation project.
Composition of the research group	11 Full Professors 13 Associated Professors 0 Assistant Professors 48 PhD Students
Name of the research directors	Annunziata Maria Oteri; Angelo Landi

Contacts

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Additional support - Financial aid per PhD student per year (gross amount)	
Housing - Foreign Students	--
Housing - Out-of-town residents (more than 80Km out of Milano)	--

Scholarship Increase for a period abroad	
Amount monthly	597.76 €
By number of months	6

National Operational Program for Research and Innovation	
Company where the candidate will attend the stage (name and brief description)	CORES4N SRL
By number of months at the company	6
Institution or company where the candidate will spend the period abroad (name and brief description)	Polytechnic University of Valencia
By number of months abroad	6

Additional information: educational activity, teaching assistantship, computer availability, desk availability, any other information

See the educational program and rules of the PhD Course in Preservation of Architectural Heritage.

Other fund for Educational activities (purchase of study books and material, funding for participation in courses, summer schools, workshops and conferences): financial aid per PhD student per year ("DOTE"):

1st year: max **1.624,30 euro**

2nd year: max **1.624,30 euro**

3rd year: max **1.624,30 euro**

Teaching assistantship (availability of funding in recognition of supporting teaching activities by the PhD student)

There are various forms of financial aid supporting the teaching practice.

The PhD candidate is encouraged to take part in these activities, within the limits allowed by the regulations.