



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

**PNRR 118 PA Research Field: SOCIAL HOUSING PROPERTY OF MILAN LOCAL
ADMINISTRATION DATING THE 20TH CENTURY. DEFINING INTERVENTION SCENARIOS
FOR THE PRESERVATION OF “AUTHORSHIP” NEIGHBOURHOODS**

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**

Social housing represents a major built legacy of the 20th century across the geographical space of Europe. This architecture experimented new construction materials and techniques, prefabrication systems, and new living standards accomplished with extremely cheap costs and investments to satisfy in a fast and diffused manner the need for housing.

This heritage, of public property and only occasionally safeguarded in base of the national Italian legislation in the field of cultural heritage, raise urgent challenges in its preservation and adaptation to the new contemporary living standards. In this sense, the research aims to construct intervention scenarios through the investigation and identification of possible synergistic relationships between planned maintenance (MS) and repair interventions (MO) for the preservation of the public social housing dating the 20th century in Milan, property of the local administration and managed by MM Spa.

The starting point will be gathering information and documents regarding the specific location and frequency of these interventions, also considering the residents' input as stakeholders. Furthermore, the critical analysis of the gathered information will establish the starting point for an overall maintenance plan that aims to undertake interventions in the direction of considering these



	<p>buildings as cultural heritage, and thus act towards their preservation.</p> <p>The research falls within the objectives of "strengthening administrative capacity in relation to the formulation and design of public policies, both by developing diagnostic and investigation capabilities and by assuming responsibility for coordinating the policy cycle regarding the phenomenology of issues in the problem definition and solution identification phases" and "promoting the digital and ecological transition of public administrations, contributing to the redesign and simplification of organizational models, as well as the processes of selection and adoption of enabling technologies and solutions, in order to ensure greater effectiveness, efficiency, and cost-effectiveness of public action."</p>
<p>Methods and techniques that will be developed and used to carry out the research</p>	<p>The research involves a close collaboration with MM Spa., which is responsible for managing the public social housing assets of the Municipality of Milan. Thus, starting from the data collection and documentation within the MM archives and/or municipality's archives, will be identified the main features of the 20th century social housing neighbourhoods.</p> <p>Their construction materials and techniques will be analysed, along with the maintenance interventions occurred over the years to identify the specific types of works, their repetition, and frequency in time. The aggregation of such data will allow providing useful information for choosing the maintenance intervention, providing indications in relation to the material and technique compatibility with the architecture and cultural features of the analysed heritage, partly due to the presence of constraints or other forms of safeguarding means. The research includes six months of research within MM Spa and six months with the Architecture Faculty of Polytechnic University of Tirana, necessary for the in-site analysis of the chosen case studies.</p> <p>It also involves direct engagement with the social housing residents at the MM touchpoints to understand their needs and their level of awareness concerning the historical and architectural significance of the place they live in.</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>Aim of PhD course is providing the PhD candidates with a unique training experience in the Italian panorama, so far unparalleled also in domains other than the preservation of the architectural heritage. The program of study leading to the doctoral degree is organized in such a way that the students can get ready to contribute to enhance knowledge in the field of Preservation of Architectural Heritage; to enable to engage in advanced study and research; to integrate their professional education and experience with the larger problems of the research around the field.</p>
Job opportunities	<p>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</p>
Composition of the research group	<p>11 Full Professors 13 Associated Professors 0 Assistant Professors 48 PhD Students</p>
Name of the research directors	<p>Maria Cristina Giambruno; Sonia Pistidda</p>

Contacts

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Further information is available at: <https://www.dottorato.polimi.it/en/phd-programmes/architecture/preservation-of-the-architectural-heritage>

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)	MM Spa is a company created by the Municipality of Milan in 1955 to design and built the first metro lines. Since then, it has been involved in the development and management of the city's main infrastructure. Currently, MM Spa is one of the largest and most diversified engineering company in Italy, with a growing international presence specialized in providing tailored solutions in urban ecosystem design and redevelopment. Since December 1st, 2014, MM Spa has taken over the management of Milan
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 Tirana (Albania), Faculty of Architecture and Urbanism
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.