



PhD in ARCHITECTURAL URBAN INTERIOR DESIGN - 39th cycle

PNRR 118 PA Research Field: STRATEGIES AND PROJECTS FOR THE MINOR ARCHITECTURAL HERITAGE: THE TOWER HOUSES IN THE REGGIO APENNINES

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 Architectural Urban Interior Design (AUID) Ph.D. program promotes research on architectural design, with studies and projects aiming at different scales, contexts, and finalities. In AUID, research is based on the theories and practices that nourish contemporary architecture's cultural and technical debate at an international scale. Research activities highlight the critical analysis and development of design processes and techniques. Constant attention is given to the dynamic relationships with the urgent questions related to the environment and the design of green, blue, and grey infrastructure.

This research finds a direct link with the RRP (RECOVERY AND RESILIENCE PLAN) contents in reference to the goals indicated in Chapter 2. GREEN REVOLUTION AND ECOLOGICAL TRANSITION, particularly to the goal *Energy efficiency and requalification of buildings*, and in Chapter 1.3 TOURISM AND CULTURE 4.0, particularly to the goal *Secure and restore places of worship and historical-architectural heritage*.

The research proposal aims to develop a methodological project for the architectural, landscape, cultural, and social enhancement of the "tower houses" of the Reggio Apennines. Within the framework of the strategic objectives of the RRP, it can be said that the vocation of this research project is to study a scientific approach to



	<p>the sustainable regeneration of buildings and territories subject to progressive abandonment. The research activities aim at the critical analysis and development of design processes and techniques consistent with the objectives of the RRP for the sustainable recovery of the minor architectural heritage through a training course for figures capable of enhancing, directing, and planning the ecological transition and energy and digital aspects of the maintenance and transformation processes of existing resources.</p> <p>The research structure will be as follows:</p> <ul style="list-style-type: none"> •Critical approaches to minor architectural heritage typological classifications. •The role of minor architecture in territorial regeneration processes. •The methodological project for the regeneration of minor assets. •Research by design: explore the potential and applications, on specific topics, of the design-led research methodology, testing the implications and outcomes of on/through/by design research.
<p>Methods and techniques that will be developed and used to carry out the research</p>	<p>AUID Candidates develop a research methodology starting from the lectures and assignments of the AUID courses and the courses of the Polimi Ph.D. School. For the general frame of the research activity, AUID refers to the "Charter on Architectural Research" (updated in 2022) elaborated by the European Association of Architectural Education (EAAE), to the "Principles for Innovative Doctoral Training" by the Directorate-General for Research & Innovation of the European Commission (2011) and the Regulations of the Polimi Doctoral School. Studying the different formats, methods, and expressions of research, the Candidate will profile a methodology considering the specificity of the selected topic, the target, and the attended results.</p> <p>The Program considers design a relevant and necessary component of any research. Together with the AUID</p>



	<p>Faculty and the Supervisor(s), the Candidate will find a specific position in the field bordered by research and design, theory and practice.</p> <p>The research project will be structured according to the following approaches:</p> <ul style="list-style-type: none"> •Theoretical, focused on constructing an isolated historical-critical reference of the building typology of the tower house concerning state of the art on typological-morphological evolution with particular reference to the territorial and cultural context of the Reggio Apennines. •Research by design focused on identifying mapping, cataloging, and categorization criteria of the tower houses of the Reggio Apennines for identifying design strategies at the scale of the landscape and the building for their regeneration.
<p>Educational objectives</p>	<p>The education of the Candidate aims to give a strong capacity of orientation in the field of architectural and design culture, choosing and elaborating a selected theme, organizing appropriate methodologies of investigation and dissemination, of producing texts, drawings, and artifacts which match the requested character of scientific research: originality, relevance, and rigor, as defined in the "Charter on Architectural Research" by EAAE. The main educational goal of the faculty is to drive the Candidate to develop research in a well-organized method through making a comprehensive survey of the chosen topic, which leads to an original track and output.</p> <p>The Candidate is driven to acquire the skill to organize a consistent case study analysis, formulate a clear proposal for an original approach, and elaborate innovative strategies and research methods.</p> <p>The Candidate will be supported to deliver autonomous and innovative scientific products disseminated through seminars, publications, and conferences.</p>
<p>Job opportunities</p>	<p>The Program aims to train highly qualified researchers</p>



	<p>and professionals who will work in academic institutions, research centers, and public administration, as well as in the private sector in architectural, urban, and interior design:</p> <ul style="list-style-type: none"> •University researchers and lecturers in the scientific fields of Ph.D. Program. •Researchers with an excellent scientific profile in complex architectural developments and interventions of recovery and transformation. •Independent professionals qualified in the management of highly complex design processes. •Designers with tasks of high responsibility in public institutions and professional structures and leading manufacturers engaged in traditional residential and special utilities, cultural institutions (museums, libraries, universities, schools, cultural centers), public and private services, commercial networks, accommodation, and leisure.
Composition of the research group	<p>1 Full Professors 1 Associated Professors 1 Assistant Professors 1 PhD Students</p>
Name of the research directors	<p>Prof. Pierre Alain Croset, prof. Emilia Corradi</p>

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Further information is available at: <http://www.auid.polimi.it>

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	0

National Operational Program for Research and Innovation	
Company where the candidate will attend the stage (name and brief description)	Comune di Viano (RE)
By number of months at the company	6
Institution or company where the candidate will spend the period abroad (name and brief description)	Accademia di Architettura di Mendrisio (CH), Laboratorio di Storia delle Alpi LabisAlp)
By number of months abroad	6

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

Complete information on the enrolment and general regulations at

<https://www.dottorato.polimi.it/en/phd-programmes/architecture/architectural-urban-and-interior-design>

Teaching Assistantship

It is allowed to be appointed at one assistantship per academic year.

Personal Budget

(funding for participation in conferences, courses, summer schools, workshops, and purchase of study books and material)

1st year: max 1.603,64 euro

2nd year: max 1.603,64 euro

3rd year: max 1.603,64 euro

Workspace: In the AUID hall, on the 4th floor of Bldg 12 in Leonardo Campus, are available workstations for shared use. All the Ph.D. students can use their laptops with a wireless connection.



Workstations and other equipment are available in the various departmental laboratories (Dastu) linked with the doctoral Program.