



PhD in ARCHITECTURAL URBAN INTERIOR DESIGN - 39th cycle

PNRR 118 PA Research Field: RECOVERING BUILDINGS AND COMPOUNDS OF THE PUBLIC REAL ESTATE. THE ARCHITECTURAL PROJECT FOR A SUSTAINABLE REGENERATION

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 which 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.

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*. See the RRP on p. 70: Interventions are also planned for the redevelopment of public real estate deteriorated and/or unused, intended for social and cultural, educational services.

The research aims at the critical analysis and development of design processes and procedures consistent with the objectives of the PNRR for sustainable regeneration, especially in the reactivation of state



	<p>property real estate complexes.</p> <p>The goal is to train a researcher who can support the Public Administration in tackling the vital process of reactivating abandoned large real estate complexes in the direction of sustainability, inclusiveness, and beauty 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 proposed methodology is based on the "research by design" technique and aims to identify design actions that affect the quality of architectural and urban transformations.</p> <p>The structure of the research will be as follows:</p> <ul style="list-style-type: none"> •Critical approaches to the typological classifications of wide abandoned real estate complexes of the public real estate property •The role of architecture in the sustainable regeneration processes with the public real estate property •The methodological project for the regeneration processes. <p>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>
<p>Methods and techniques that will be developed and used to carry out the research</p>	<p>The Candidate will 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>and the attended results.</p> <p>This specific research will be structured according to the following approaches:</p> <ul style="list-style-type: none"> - theoretical, aimed at the construction of historical-critical references relating to state of the art on processes of architectural regeneration of public real estate assets - research by design, focused on the identification of mapping, cataloging, and categorization criteria and selection of the main typologies that make up the public real estate assets and design techniques for the identification of architectural design strategies for a sustainable regeneration at the architectural and urban scale.
<p>Educational objectives</p>	<p>In the AUID program, the training of the Candidates 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, 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.</p> <p>The educational mission of the AUID program 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. 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. The Candidate will be supported to deliver autonomous and innovative scientific products to be disseminated through seminars, publications, and conferences, considering the partner institution, and the favorable fieldwork for cultural exchange activities, on a national and international basis.</p>
<p>Job opportunities</p>	<p>The Program aims to train highly qualified researchers and professionals who will work in academic institutions, research centers, and public administration, as well as in the private sector, in the fields of architectural, urban, and</p>



	<p>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. • Curators of archives, exhibitions, and cultural activities. • Independent professionals qualified in the management of highly complex design processes. <p>- 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.</p>
Composition of the research group	<p>1 Full Professors 2 Associated Professors 3 Assistant Professors 1 PhD Students</p>
Name of the research directors	Prof. Ilaria Valente

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



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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)	Agenzia del Demanio
By number of months at the company	6
Institution or company where the candidate will spend the period abroad (name and brief description)	Escuela Técnica Superior de Arquitectura de Madrid (ETSAM)
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.