



PhD in CONSERVAZIONE DEL PATRIMONIO COSTRUITO / BUILT HERITAGE CONSERVATION - 40th cycle

**PNRR 629 PC Research Field: MORE THAN ONE MODERNISM. CONTEMPORARY ISSUES
TO PRESERVE POST-SOVIET ARCHITECTURE**

Monthly net income of PhDscholarship (max 36 months)
€ 1300.0
In case of a change of the welfare rates during the three-year period, the amount could be modified.

Context of the research activity	
<p>Motivation and objectives of the research in this field</p>	<p>This research prosecutes the effort of the PhD program to advance the conservation of 20th-century built heritage in recognition of the aging of essential works of the Modern Movement and of the need to tackle the specific conservation challenges presented by the innovative construction techniques and materials featuring modern buildings. Also, the research addresses the theoretical issues 20th-century architecture raises since it has been promoted to heritage status. It investigates the methodological progress in preservation due to the growing interest in 20th-century architecture and the continuing challenges this heritage must face.</p> <p>The research program aims to deepen the increasing recognition of the diverse ways modernism manifested itself globally, stimulating a conceptual rethinking of its cultural and geographical roots, the way and places modernism arose and flourished worldwide. Also, the research considers how to preserve 20th-century architecture and protect such fragile heritage from the multiple risks it must face within global discontinuity scenario, where built heritage often plays a controversial role and risks being metabolized within conflicting logic. 20th-century architecture had grown worldwide recognition in the last decades and numerous efforts were done to protect most renewed masterpieces. 20th-century architecture is increasingly represented in the UNESCO</p>



	<p>WHL, following the Global Strategy for a Representative, Balanced and Credible World Heritage List (1994?2004) with the purpose of increasing the attention to less represented areas and the heritage most at risk. Also, many candidacies focusing on 20th-century architecture have populated the UNESCO Tentative List and testified to how much modernism has entered global heritage status. However, most of the inscriptions belong to Europe and the US. Asia, Africa and the rest of the world remain largely underrepresented in the WHL with the paradox of concentrating the preservation efforts where the legal framework is already fit and leaving unprotected the heritage belonging to the areas where legal protection is still fragile.</p> <p>This lack of representativeness includes Soviet modernism, which made a significant contribution to the history of modernization during the 20th century and left its footprint across a large territory between Europe and Asia. Many vital testimonies of modernist architecture, directly or indirectly influenced by the late Soviet period, are today at risk due to the rapid and uncontrolled economic growth and the pressure of urban speculation, the weakness of safeguarding measures, fragile political framework, and social or armed conflicts. Therefore, the research program will focus on the post-USSR area in Europe, the Caucasus, the Baltic Region, Central Asia, and Africa.</p>
<p>Methods and techniques that will be developed and used to carry out the research</p>	<p>The research program will adopt a holistic approach to investigate heritage buildings and the proper measures for their preservation through an interdisciplinary network of knowledge and skills from hard and soft sciences and engineering. The research takes place under the framework of New European Bauhaus to shape a greener and fairer way of life in creative and inclusive societies through Landscape, Architecture, Design and Arts. It might include many activities like archive investigation, site survey, value assessment, data collection and analysis, and field testing. Advanced methods and techniques for the documentation, survey, and monitoring of the as-built heritage at different scales (landscape, city,</p>



	<p>building) will have a significant role in the proper development of the research, including assessing the cultural and social values involved, and monitoring the preservation status of monuments and sites with non-intrusive techniques.</p> <p>Therefore, an early task for the Ph.D. student will be to define a specific area/scale where to target the subsequent steps of the research. Thanks to specific agreements already in force, the Ph.D. student will be technically supported by DASTU's Laboratories System and other laboratories at Politecnico di Milano. The analysis of traditional methods and materials, also in a historical perspective, as well as digital and cutting-edge technologies to investigate this subject may coexist within an integrated program of investigation. Considering environmental, social, and economic impacts, the research will be able to bring together basic and applied research, social, cultural, and entrepreneurial innovation through the involvement of cultural and creative sectors to ensure a relevant impact to the results.</p> <p>The participation of innovative industry and/or CCIs/SMEs, besides public entities, will be possible by means of a compulsory internship at GRACE.</p> <p>During the internship, the Ph.D. student will have the opportunity to take part in field research on documentation and preservation of twentieth-century built heritage, specifically from the post-Soviet world. The doctoral student will select a shortlist of sub-topics coherent with the aim of the research. He/she will then focus on a specific pilot-site experience of highly relevance to the goal of the research program.</p>
<p>Educational objectives</p>	<p>The research program aims at forming a profile characterized by multidisciplinary skills and strongly oriented to contemporary preservation and the history of architecture.</p> <p>The research program stresses a direct approach to the themes of the 2030 Agenda for sustainable development. The Ph.D. student will have to immediately face these issues, demonstrating that he/she can draw from different disciplinary fields. The company internship will be crucial</p>



	<p>for the proper conduct of the research. It will allow the Ph.D. student to develop specific skills in information management at different scales (territorial, urban, single building) and to bridge theoretical and applied research effectively. The ability to manage this information in a smart way and through advanced techniques and tools is one of the specific training objectives of this program. The precise nature of the research program, and the related educational objectives, will be integrated with the institutional goals and with the general courses of the doctoral program the doctoral student will fully attend. The achievement of the educational objectives will be periodically monitored and discussed by the Ph.D. board.</p>
<p>Job opportunities</p>	<p>Graduates of the PhD programme have often found employment in public sector and conservation institutions, as well as in professional practices and in the business world, in specific specialized fields. PhD candidates from abroad find job in their native countries at University or in Cultural Heritage Institutions. As regards Italy, the relationship with Italian Ministry of Cultural Heritage (Mibact), has been definitely fruitful, especially when we consider that many among the best PhDs in Preservation of Architectural Heritage have been hired as officers and executives to the above ministry: recently many PhD from this Programme won the competitive exam to become public officers in the Ministry of Cultural Heritage and most of them are now responsible in prestigious seats.</p>
<p>Composition of the research group</p>	<p>11 Full Professors 17 Associated Professors 0 Assistant Professors 48 PhD Students</p>
<p>Name of the research directors</p>	<p>Davide Del Curto</p>

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	650.0 €
By number of months	6

National Operational Program for Research and Innovation	
Company where the candidate will attend the stage (name and brief description)	GRACE S.R.L.
By number of months at the company	6
Institution or company where the candidate will spend the period abroad (name and brief description)	Vilnius University, Faculty of History
By number of months abroad	6

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

List of Universities, Companies, Agencies and/or National or International Institutions that are cooperating in the research:

1. National Technical University of Athens (N.T.U.A.), Greece
2. Departamento de Historia del Arte, Universitat de València, Spain
3. Department of Architectural Composition, Universidad de Castilla-La Mancha
4. École Nationale supérieure d'architecture de Paris-La Villette (ENSAPLV), France
5. Faculdade de Arquitectura da Universidade do Porto, Portugal
6. Université Paris I - Pantheon - Sorbonne, Parigi, France



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 7. Universidad de Sevilla, Departamento de Historia de América, Spain
 8. ISPC-CNR Istituto di Scienza del Patrimonio Culturale (Italy)
 9. ISCR Istituto Superiore per la conservazione e il restauro (già ICR), Roma
- Educational activities** (purchase of study books and material, funding for participation in courses, summer schools, workshops and conferences): financial aid per PhD student("DOTE"): **total amount: 5.300,25 euro**

1st year: max 1.766,75 euro

2nd year: max 1.766,75 euro

3rd year: max 1.766,75 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.

Workspace:

In the CPC PHD room at Bldg. 14 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.