

MARIACRISTINA GIAMBRUNO

NAME OF FIRM

POLITECNICO DI MILANO, Department of Architecture and Urban studies

EDUCATION

| | |
|------|---|
| 1998 | PhD in Conservation of Architectural Heritage, Politecnico di Milano |
| 1994 | Post-graduate degree in Restoration of monuments, Politecnico di Milano |
| 1989 | Master Degree in Architecture, Politecnico di Milano |

WORK EXPERIENCE

From: 2018

Employer: Politecnico di Milano – Dipartimento di Architettura e studi urbani (Department of Architecture and Urban Studies) - DASTU

Positions held: Full professor in Restoration

From: 2011 2017

Employer: Politecnico di Milano – Dipartimento di Architettura e studi urbani (Department of Architecture and Urban Studies) - DASTU

Positions held: Associate professor in Restoration

From: 2011 to: 2012

Employer: Politecnico di Milano - Dipartimento di Progettazione dell'Architettura (Department of Architectural Design) - DPA

Positions held: Director of master in *Preservation of historic buildings*

From: 2002 to 2011

Employer: Politecnico di Milano - Dipartimento di Progettazione dell'Architettura (Department of Architectural Design) - DPA

Positions held: Assistant professor

From: 1999 to 2000

Employer: Politecnico di Milano – Dipartimento di Progettazione dell'Architettura (Department of Architectural Design) - DPA

Positions held: Research fellow

From: 1998 to 2002

Employer: Politecnico di Milano – School of Civil Architecture

Positions held: Adjunct professor

From: 1989 to 1998

Employer: POLITECNICO DI MILANO Dipartimento di Progettazione dell'Architettura (Department of Architectural Design) - DPA

Positions held: tutor and teaching assistant; courses, workshops and thesis on *Urban Preservation, Cultural Landscape Conservation, Historic Parks and Gardens Restoration*.

MAIN LECTURES AT SEMINARS

| | |
|------|--|
| 2012 | Third International Conference on heritage and sustainable development, Porto, 19-22 June 2012; Lectures: "Cultural heritage preservation and sustainable development. Notes for a shared approach construction"; "The energy improvement of historical buildings. A project between compatibility, conservation and sustainability" |
| 2012 | International Conference on Architectural Research "Cities in transformation. Research and Design", Milano; lecture: "Managing transformations in historic urban cores between conserving and developing. A case study" |

- 2011 International Seminar Cor Arquitectura e Design, Universidade Lusíada de Lisboa, Lecture: Preservação da arquitetura histórica e cor. Perspectivas e uso problemático de cor como instrumento para a regeneração urbana;
- 2010 International Seminar Salitreras Santa Laura y Humberstone, preservación de materialidad, Iquique, Chile. Lecture: Conservación de materiales metálicos: causas, fenómenos de degrado e hipótesis;
- 2009 International Seminar Cor Arquitectura e Design, Universidade Lusíada de Lisboa, Lecture: A cor na arquitetura para a construção histórica;
- 2009 International Seminar restoration, conservation, urban development in Saudi Arabia, ICE- Assorestauro, Lecture: Preservation and valorisation of historical stone buildings: theory and methodological approach;
- 2009 International Seminar "Made in Italy" for restoration in Israel, 14-15 maggio 2009, Italian trade Commission – Tel Aviv University, Lecture: Decay of historical buildings;
- 2008 Seminar Criterios de Intervención en patrimonio histórico, Labein Tecnalia – Bilbao, Lectures: Técnicas y metodologías innovativas para la conservación del patrimonio; La cuestión de los centros históricos en Italia: entre teoría y práctica;
- 2007 Boyacá University, Tunja, (Colombia) - Seminario internacional en Patrimonio "Técnicas y Métodos para la conservación del Patrimonio Inmueble";
- 2006 International Seminar Regional of Berat, possibilities and perspectives on the development, protection and promotion of the archaeological and cultural values of the city, Berat (Albania); FoAP; Lecture: GIS application in the historical city of Berat;
- 2005 International Seminar Theory and practice in conservation. A tribute to Cesare Brandi Civil Engineering Faculty, Lisboa, Lecture: The ancient-new relationship in debate on the Reconstruction of Italy of the second post-war period. Instruments, norms and theoretical thought;
- 2005 International Seminar El color en el diseño industrial y en arquitectura, Universidad Politécnica de Valencia, Centro de Formación de Postgrado, Valencia, Lecture: The preservation of the colour in historic Centers;
- 2000 International Seminar and workshop Architectural Conservation (Gaza -Palestine), Community Service & Continuing Education Center - Islamic University of Gaza - American Friend Service Committee;
- 1998 International Seminar at An Naja University (Nablus – Palestine) Lecture: The preservation of Historic Centers

PROFESSIONAL REGISTERS

- Member of Scientific board of REHAB 2014 2015, 2017, 2018, 2019 International Conference on Preservation, Maintenance and Rehabilitation of Historical buildings and structures, Green Line Institute for Sustainable Development
- Member of Scientific Committee Open Forum Unesco and Workshop on Mesopotam-Rusan; Unesco-BRESCE, Regione Puglia, Università Ca' Foscari, Politecnico di Milano
- Researcher of group CITAD, FCT, Lusíada University, Lisbon;

TEACHING EXPERIENCE

- 2019 – to date Head of Faculty board of of PhD in Preservation of Architectural Heritage
- 2014-to date Polytechnic of Milan, Department of Architecture and Urban studies, Member of the Teaching College of PhD in Preservation of Architectural Heritage
- 2012-2013 Course *Workshop Urban restoration*; Specializing masters *Conservation design. Training in Armenia in the restoration. A project for development cooperation*, Politecnico di Milano - YSUAC-State University of Architecture and Construction of Yerevan;
- 2012 Course *workshop "Cor e Cidade. Conservacao e Design para uma cidade moderna"*, Università Lusíada University, Lisbon;
- 2011-to date Polytechnic of Milan, Faculty of Civil Architecture, *Associate professor of Architectural Conservation*. Courses: Restoration Workshop; Architecture for the historic built; Theory of Restoration; Methodologies and techniques for the buildings conservation

- 2002-2011 Polytechnic of Milan, Faculty of Civil Architecture, *Assistant professor of Architectural Conservation*. Courses: Restoration Workshop; Architecture for the historic built; Theory of Restoration; Methodologies and techniques for the buildings conservation
- 2010-to date Member of teaching staff of Graduate school in Architectural and Landscape Heritage; course Urban restoration
- 2002-to date Polytechnic of Milan, Department of Architectural Design, Member of the Teaching College of PhD in Architecture, urban design, conservation of housing and landscape
- 1998-2002 Polytechnic of Milan, Faculty of Civil Architecture, Adjunct Professor. Courses: Theory of historic buildings conservation
- 1994 to date She has attended various thesis degree, phd and master; she has lectured in courses of master and specialization on the topics of conservation and management of historic heritage.

RESEARCHES AND PROJECTS ABOUT CULTURAL HERITAGE

Name of assignment or project: *Vocational training centre for the restoration and conservation of cultural heritage (Quang Nam Province)*

Year: 2017-2019

Location Tam Ky, Vietnam

Client: Italian Development Cooperation Agency (AICS)

Main project features: The project is to set up a training centre, within the Quang Nam Vocational Training College, to train human resources on restoration, conservation, preservation and management of archaeological and cultural heritage sites.

Positions held: Team leader

Activities performed: Established one training centre for managers of archaeological sites, professionals in the sector of heritage conservation, and specialised workers, as well as a laboratory for the restoration of architectural and archaeological items; Trained 120 people including fresh university graduates, young civil servants, young professionals, workers and teachers, engaged and interested in the conservation of cultural heritage; Improved the conservation and protection conditions of My Son archaeological site; Promoted the placement on the job market of the human resources trained through the project.

Name of assignment or project: *Master plans for the World Heritage Sites: (1) Monasteries of Haghpat and Sanahin, and (2) Monastery of Geghard and the Upper Azat Valley, in Armenia*

Year: 2015

Location: Haghpat, Sanahin, Geghard (Armenia)

Client: World Bank

Main project features: Master plan for Armenian World Heritage sites

Positions held: Team leader

Activities performed: Guidelines for preservation, conservation and valorization of Unesco sites

Name of assignment or project: *Post seismic conservation plan of Fontecchio historic centre (AQ, Italy)*

Year: 2013-2014

Location: Fontecchio (Italy)

Client: Municipality of Fontecchio (Italy)

Main project features: Recovery plan for the historic center of Fontecchio after the earthquake of 2009

Positions held: Team leader

Activities performed: Recovery plan of the historic center, map of the damage and the state of preservation; strategic guidelines for the conservation and valorization of the historic center, technical standards

Name of assignment or project: *Sustainable Social economic and environmental revitalization in historic core of Multan*

Year: 2012 to date

Location: Multan (Pakistan)

Client: FPM (Milano)

Main project features: Conservation project of Haram gate, Guidelines for historical centre of the city

Positions held: Conservation team leader

Activities performed: Conservation project of monumental gate; guidelines for conservation, maintenance for the historic buildings in the walled city of Multan.

Name of assignment or project: *Albania domani (Albania tomorrow)*

Year: 2011-2014

Location: Saranda, Scutari (Albania)

Client: Fondazione Cariplo (Italy)

Main project features: Three years project for the improvement of social and economic conditions in Albania

Positions held: Team leader

Activities performed: network of cultural tourism; preservation project of Historic Buildings

Name of assignment or project: *Historic city conservation and urban regeneration (HCCUR) module within the sustainable cities initiative (SCI) in Europe and Central Asia (ECA)*

Year: 2011-2013

Location: ECA

Client: World Bank

Main project features: Guidelines for rehabilitation of historic centres and brownfields in selected ECA cities

Positions held: Team leader

Activities performed: Design and organization of cultural exchange; urban charrette for rehabilitation of Uzbekistan cities; detailed report of cultural heritage and the opportunities for his rehabilitation and valorisation in the region of Briansk (Russia)

Name of assignment or project: *Study of historical settlements Hakka community*

Year: 2009-2012

Location: Huiyang – Guandong (CHINA)

Client: Italian Ministry of Foreign Affairs, Huiyang Municipality

Main project features: Study and guidelines for preservation of Historical Settlements Hakka Community

Positions held: Team Leader

Activities performed: The cooperation program between the Office of Planning of the cities of Huiyang- Huitzhou and the National Conference of Deans of the Faculty of Italian Architecture (CPA) has involved: Creation of a register of the assets of the settlements of the Hakka culture and its conservation status in the territory of Huiyang, inventory, referencing maps and identification of possible measures for recovery.

Name of assignment or project: *Guidelines for the development of Monumental and visual values of the Sphinx Alley*

Year: 2009

Location: Luxor, (EGYPT)

Client: Arab Republic of Egypt, Ministry of Culture, Supreme Council of Antiquities

Main project features: This study adopts a specific approach that:

- targets the preservation and valorisation of the antiquities;
- aims to promote a comprehensive urban project (morphological, functional, infrastructural and economic) which is capable of developing the city (preventing the urban sprawl) and supporting the tourism as a means for improving the living standards of the inhabitants.

Positions held: Team leader

Activities performed: GIS for preservation and valorization of Sphinx alley; guidelines for conservation of stone sphinx.

Name of assignment or project: *Historic and architectural heritage: guidelines for diagnostics and conservation*

Year: 2007- 2012

Location: Lombardy Region (ITALY)

Client: Lombardy Regional Government

Main project features: The goal of project is to single out a number of priority areas where it is already possible to collect data and shared practices for design and action, in order to build-up a suitable methodology for editing guidelines and protocols for knowledge (diagnostics) and conservation activities.

Positions held: DPA team leader

Activities performed: Editing of guidelines and models for legislative action for conservation activities and innovative methodologies and techniques of intervention and diagnostics.

Name of assignment or project: ***Conservation plan for Palace of Prime Minister in Tirana***

Year: 2007

Location: Tirana (ALBANIA)

Client: IMK Institute of Cultural Monuments of Albania – Presidency of Council of Ministers of the Republic of Albania

Main project features: Knowledge project for intervention's guidelines

Positions held: Team leader

Activities performed: Visual surveys of state of conservation; Investigation of the adhesion of travertine slabs to the support; thermographic survey and knocking ; Guidelines for the conservation project.

Name of assignment or project: ***A GIS for the conservation and management of Berat Castle, Albania***

Year: 2006

Location: Berat (ALBANIA)

Client: Istitute Monumenteve de Kultures di Berat

Main project features: The workshop aimed to create a GIS that would serve to support the Institute in the protection of the architectural heritage of the popular city of Berat, also in view of its entry into the World Heritage List.

Positions held: Team leader

Activities performed: GIS for Historical centre. The GIS is structured through data sheet, specially prepared, that briefly describe the features of the building and open spaces of the historic core, in addition to their morphological and material conditions. From the data collected during filing, maps that illustrate one or more themes may be produced.

Name of assignment or project: ***Studies for the diagnosis and conservation of the Castle of Melegnano***

Year: 2005-2006

Location: Province of Milan (ITALY)

Client: Province of Milan

Main project features: Conservation project of the west façade of the Medicean Castle of Melegnano focused on the knowledge of materials to set conservation guidelines.

Positions held: Team leader

Activities performed: Survey of different materials and their degradation pathologies; discovering and mapping of graphic decorations of the plasters; mineralogical and chemical characterization of mortars; development of a pilot conservation yard; conservation project.

Name of assignment or project: ***Protection and preservation of historical landscape system of the Naviglio della Martesana and Paderno***

Year: 2004-2005

Location: Milan (ITALY)

Client: Lombardy Regional Government

Main project features: The preservation plan goal was that of identifying the architectural, landscape and natural resources that define the quality of Martesana corridor, analyzing - from an environmental and historical point of view - decay situations, transformation and alteration problems, cultural values, providing for the consequent, control criteria to monitor new buildings development and infrastructures impact and management guidelines to conserve or rehabilitate historic features and sites.

Positions held: Preservation of historical centres team leader.

Activities performed: The conservation level analysis of the historic materials, features and components allows to check and monitor new buildings substitutions or transformations, providing control criteria (Preservation treatment guidelines) to preserve the surveyed historical resources with compatible treatments and detailed restoration projects and to manage this urban heritage.

Name of assignment or project: ***Planning and preservation of historical centers in Jordan. Rules and projects to protect the identity of sites***

Year: 2000-2004

Location: Samad (Jordan)

Client: Italian Ministry of University, Yarmouk University (Jordan)

Main project features: Guidelines for preservation and rehabilitation of historical centre.

Positions held: Conservation team leader

Activities performed: Survey of historic centre; guidelines for preservation; guidelines for touristic valorisation.

Name of assignment or project: ***Guidelines for the preservation pilot project of the Naviglio Grande walls***

Year: 2002-2003

Location: Milan (ITALY)

Client: Lombardy Regional Government

Main project features: Conservation plan and pilot project of Naviglio Grande walls.

Positions held: Team leader

Activities performed: Geometrical survey; material and decay survey; conservation project; pilot yard.

Name of assignment or project: ***Rehabilitation of Tulkarem and Anabta historical centres***

Year: 1998-2000

Location: Palestinian territories

Client: An Naja University (Nablus)

Main project features: Guidelines for the conservation of historical centers.

Positions held: team leader

Activities performed: master degree thesis; study and survey of two historical centers; guidelines for preservation and rehabilitation.

COUNTRIES OF WORK EXPERIENCE: Italy, Albania, Armenia, Portugal, Jordan, Palestinian territories, China, Egypt, Colombia, Chile, Pakistan, ECA cities, Vietnam.

LANGUAGES

ITALIAN mother tongue

ENGLISH - speaking: good; reading: good; writing: moderate;

FRENCH - speaking: good; reading: good; writing: good;

SPANISH - speaking: moderate; reading: good; writing: poor;

ORGANIZATIONAL SKILLS AND COMPETENCES

She has coordinated multidisciplinary team in numerous national and international studies of preservation of the historic centers and restoration of the architectural heritage.

TECHNICAL SKILLS AND COMPETENCES

Research lines

- history and theory of architectural heritage preservation and conservation
- conservation of historical heritage (Cataloguing, survey and diagnosis of architectural heritage, conservation of historical monuments, conservation of xx century architecture)
- historical centers conservation and management
- guidelines and management plans to preserve and valorize cultural heritage

MAIN RECENT PUBLICATIONS

1. *La rivista Monumentet. La tutela e il restauro in Albania negli anni del Partito del Lavoro*. In *A mari usque ad mare*". Cultura visuale e materiale dall'Adriatico all'India, (M. Guidetti, S. Mondini, a cura di), Eurasiatica. Quaderni di studi su Balcani, Anatolia, Iran, Caucaso e Asia Centrale, Venezia, Edizioni Ca' Foscari, 2016, pp.257-282
2. *The Conservation of Hakka earthen building. Conceptual tool and technical notes*, in REHAB 2017 Proceedings of th 3rd International Conference on Preservation, Maintenance and Rehabilitation of Historical Buildings and Structures (R. Amoèda, S. Lira, C. Pinheiro, a cura di), Green Lines Institute, Barcelos, 2018, (con Rossana Gabaglio)
3. *'Ancient' and 'new': notes on the history of restoration, part 2*, in *Urbanity theories and project designs: new strategies for sustainable developments of Ukrainian cities* (M.G. Folli, a cura di), Aracne editrice, Canterano (RM), 2017, pp. 90-97
4. *Small historic centers: from abandonment to new ways of living. Tools for preservation of ancient 'marginal' villages*, in REHAB 2017 Proceedings of th 3rd International Conference on Preservation, Maintenance and Rehabilitation of Historical Buildings and Structures (R. Amoèda, S. Lira, C. Pinheiro, a cura di), Green Lines Institute, Barcelos, 2017, (con Sonia Pistidda)
5. *Alcune riflessioni sul "restauro del moderno" in Albania a partire dal caso dei fronti del Palazzo della Presidenza del Consiglio dei Ministri a Tirana*, in *L'interpretazione dello spazio urbano e architettonico dell'asse strutturante di Tirana*, (F. Pashaco, E. Pessina, A. Vokshi, a cura di), Istituto italiano di cultura di Tirana, Pisa, Pacini editore, 2017
6. *Research, Interventions, and Training for Cultural Heritage Safeguard and Enhancement. Lesson Learned from 50 Years of Studies and Projects Implementation in Armenia*, in *Sustainable Urban Development and Globalization* (A. Petrillo, P.Bellaviti, a cura di), Basel, Springer International Publishing AG
7. *Cultural Heritage for Urban Regeneration. Developing Methodology Through a Knowledge Exchange Program*, in *Sustainable Urban Development and Globalization* (A. Petrillo, P.Bellaviti, a cura di), Basel, Springer International Publishing AG
8. *Beyond Ancient Egypt. Preservation and Valorisation of the Sphinxes Avenue in Luxor and Its Urban Context*, in *Sustainable conservation and urban regeneration* (M.G. Folli, a cura di), Basel, Springer International Publishing AG
9. *Studi per la conservazione del patrimonio culturale albanese*, (a cura di, con Maurizio Boriani), Altralinea, Firenze, 2015
10. *Lombardia Liberty: Casa, industria e loisir*, Firenze, Altralinea, 2015 (con Sonia Pistidda)
11. *The walled city of Multan. Guidelines for maintenance, conservation and reuse work*, Firenze, Altralinea, 2015 (with S. Pistidda, F. Augelli, R. Mastropirro)
12. *Planning for the historic built in developing countries: challenges and opportunities through the case study of Multan (Pakistan)*, in *Built heritage: monitoring, Conservation, management* (L. Toniolo, M. Boriani, G.Guidi editors), Springer, Basel, 2015
13. *La Cuestión de los centros históricos en Italia, entre teoría y práctica*. In DESIGNIA, vol. 2, Tunja, pp.64-79,
14. *Urban conservation". A methodological approach to valorisation and rehabilitation of historical centers towards the case study of Nork, In The Politecnico di Milano in Armenia. An Italian Ministry of Foreign Affairs project for Restoration Training and Support to Local Institutions for the Preservation and Conservation of Armenian Heritage*, Venezia, OEMME Edizioni, pp.255-262 (with Raffaella Simonelli), 2014
15. *Managing transformations in historic urban cores between conserving and developing. A case study*, In *Cities in transformation. Research & Design* (Bovati M., Caja M., Floridi G., Landsberger M., a cura di), Padova, Il Poligrafo, 2014, pp. 566-574
16. *The sustainable cultural tourism a possibility for the Historical Heritage preservation. An experience in Albania*, Proceedings of the International Conference on Preservation, Maintenance and Rehabilitation of Historical Buildings and Structures (REHAB 2014), Green Lines Institute, Barcelos, Portugal, marzo 2014, pp. 489-497 (with Maurizio Boriani)
17. *From emergency to sustainable development. The Reconstruction Plan of Fontecchio (L'Aquila) as an opportunity for historic centres in seismic areas*, Proceedings of the International Conference on Preservation, Maintenance and Rehabilitation of Historical Buildings and Structures (REHAB 2014), Green Lines Institute, Barcelos, Portugal, marzo 2014, pp. 189-198 (with Raffaella Simonelli, Rosa Maria Rombolà)
18. *The conservation project of Haram gate: material authenticity and recognizability of the project*, In *Sustainable Social, Economic and Environmental Revitalization in Multan City A Multidisciplinary Italian Pakistani Project* (Editors A. Del Bo, D. Bignami), Berlino, Springer International Publishing, 2014 (with Sonia Pistidda et alii)
19. *Guidelines for the walled city of Multan: knowledge, conservation, and relationship ancient new for a sustainable rehabilitation*, In *Sustainable Social, Economic and Environmental Revitalization in Multan City A Multidisciplinary Italian Pakistani Project* (Editors A. Del Bo, D. Bignami), Berlino, Springer International Publishing, 2014 (with Sonia Pistidda e Maurizio Boriani)
20. *Planning for the historic built in developing countries: challenges and opportunities through the case study of Multan (Pakistan)*, In *BH 2013*, Atti del convegno, pp. 116-122 (with E. Bersani, S. Pistidda)
21. *The city like a "book of stone". A methodological approach for urban planning in historic centres*, In "Proceedings of Yerevan State University of Architecture and Construction", n. 47, 2012, pp. 86-91 (with Raffaella Simonelli)
22. *Cultural heritage preservation and sustainable development. Notes for a shared approach construction*, In *Third International Conference on heritage and sustainable development*, Porto, 19/6/2012 - 22/6/2012, p. 63-69, PORTO, 2012 (with R. Simonelli)
23. *The energy improvement of historical buildings. A project between compatibility, conservation and sustainability*, In *Heritage 2012 – Heritage and Sustainable Development*, Third International Conference on heritage and sustainable development, 2012 (with A. Garzulino, M. Boriani)

24. "Colour" of the historical city. Research and studies for the conservation project of urban decoration, in "Colore. Quaderni di Cultura e Progetto del Colore", n.64, 2009, pp. 32-45 (with M. Boriani)
25. *El color como materia: de la planificación al proyecto del color en el patrimonio histórico*, in AA.VV., *Conferencias del curso 2006/2007 ETSAV*, Amparo Tarin Martinez, General de Ediciones de arquitectura, Valencia, 2008, ISBN 978-84-93620-36-3
26. *Per una storia del restauro urbano* (For a history of urban restoration), Città studi Edizioni di De Agostini Scuola, Novara, 2007 (editor and author)
27. *Historical centres in middle east: from the urbanistic plan to the conservation plan*, In AA. VV., *Documentation for conservation and development. New heritage strategy for the future*, Forum UNESCO University and Heritage, e-print, UNESCO, 2006 (with Annapaola Canevari)
28. *The ancient-new relationship in debate of the Reconstruction of Italy in the second post-war period. Instruments, norms and theoretical thought* In *Theory and practice in conservation*, Lisbona maggio 2006, Lisbona (with Raffaella Simonelli)
29. *The Naviglio of Martesana: a GIS to manage a protected area*, in CIPA 2005, XX International Symposium, *International cooperation to save the world's cultural heritage*, Torino, 26 settembre-1 ottobre 2005, pagg.685-690 (with M.Boriani, A.Cazzani)
30. *The Naviglio Grande in Milan: a study to provide guidelines for conservation*, in C.A.Brebbia, A.Torpiano (a cura di), *Structural Studies, Repairs and Maintenance of Heritage Architecture IX*, Ninth International Conference on Structural Studies, Repairs and Maintenance of Heritage Architecture, WIT Press, Southampton, Boston, 2005, pagg.631-641 (with M.Boriani, S.Bortolotto, L.Binda, C.Tedeschi)
31. *Verso la dimensione urbana della conservazione* (Around the urban preservation), Alinea, Firenze, 2002