

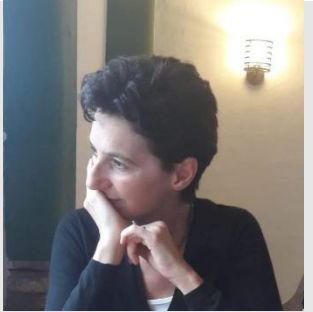
Curriculum vitae

Prof. arch. Renata Morbiducci, PhD

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1. Personal Data



Renata Morbiducci

Place and date of birth	Genoa, Italy, 29th March, 1966
Nationality	Italian
Residence	Via Camascenza 1/4, 16030, Sori (Ge), Italy
Domicile	Via Antica Romana di Quinto 10/3a, 16166, Genoa, Italy
Fiscal Code	MRBRNT66C69D96N
Email	renata.morbiducci@unige.it
Maternity periods	- from 01/10/2006 to 31/03/2007 - from 01/07/2002 to 01/01/2003 - from 01/06/1998 to 01/12/1998

2. Academic Employments

Academic field	08/C1 - Design and technological planning of architecture
Academic sub-field	ICAR/10 - Architectural engineering

Academic Positions Held

From 3rd August 2017	Full professor in architectural engineering
From 29th December 2014	Associate professor in architectural engineering (with tenure)
From February 2014 to December 2014	Associate professor in architectural engineering
From 2007	Assistant professor in architectural engineering (with tenure)
2004 – 2006	Assistant professor in architectural engineering
2000-2002	Post-Doc, in structural engineering

3. Education

16/02/1999	Ph.D., structural engineering, Politecnico Milano , 1999
12/11/1993	Laurea degree in architecture, Università di Genova, Italy, 1993

4. Research Activity

4.1. Research Topics

Current	Analysis of new and existing constructions for the technological, functional and energy aspects
	sustainable design and requalification/refurbishment
	Life Cycle Assessment (LCA)
	optimization processes for constructions
	<i>Building information modelling (BIM)</i>
Past	Materials and structures mechanics
	Conservation historic construction heritage
	Inverse problems and parametric identification

4.2. Presentations (some examples, 2018-2013)

2018	2nd Global conference on energy and sustainable development, 18th – 20th December 2018, John McIntyre Conference Centre, the University of Edinburgh, Edinburgh, United Kingdom (Conference chair)
2017	International conference, <i>beyond nzeb building</i> , 10-11 May 2017, Matera, Italy (Speaker)
2016	International forum MED.NET 3. RESILI(G)ENCE GOA RESILI(G)ENT CITY, intelligent cities / resilient landscapes, 25-28 October 2016, Genova, Italy (Keynote speech)
2015	COP21-Paris 2015, Conference of Parts - UN, December 2015, Paris (FR) (Member of RINGO (No-Gov. delegation COP-UNFCC))
2014	39th World congress on housing science, 17th-20nd September 2014, Milan, Italy (Speaker)
2013	The 3rd World sustainability forum, 1-30 novembre 2013, webinar (Invited speaker)

4.3. International Research Collaborations

- From 2016** Member of the international research group with Florida International University - Miami (FIU) on climate change - sea level rise. The main objectives of this collaboration are to develop international research projects and exchanges between researchers from the University of Genoa, the Polytechnic School and the Florida International University of Miami
- From 2016** Member of the international research group with the Faculty of Engineering and Architectural Science of Ryerson University, Toronto, Canada, on "sustainable requalification - innovative materials and technologies". The main objectives of this collaboration are to develop international research projects and exchanges between researchers from the University of Genoa, the Polytechnic School and the Faculty of Engineering and Architectural Science of Ryerson University, Toronto, Canada

4.4. Research Grants or Contracts

Scientific Responsible Collaboration Agreement **Collaboration agreement between the Architecture and Design Department, Italcementi S.p.A and the Italian Institute of Technology (IIT-Genova)**

Title *Graphene for application in cement concrete*

Funding body The Parties of Agreement

Amount Expenditure covered by the Parties to the Agreement

Period 2019-2021

Person in charge

Scientific Head of Research Contract **Research Contract between Architecture and Design Department and UniHousing srl (underwritten)**

Title Technological innovation as a new tool for efficiency and wellbeing in student housing and hostels

Funding body UniHousing srl

Amount 15,000 € + supporto per l'innovazione alle fasi di Progetto e Direzione Lavori

Period 2019-2020

Person in charge

Scientific Head of Operational Protocol **Operational Protocol between the Department of Architecture and Design and the Municipality of Genoa**

Title Project for the sustainable requalification of the Pré district of the historic centre of Genoa

Period 2019-2020

Person in charge

**Scientific Manager
of the Consultancy Contract****Consulting contract between the Department of Architecture and Design and
the Municipality of Genoa**

Title Guidelines for the Regeneration of the Maddalena Quarter of the Historical Centre of Genoa

Funding body Municipality of Genoa

Amount 10.000 €

Period 2018-2019

Person in charge**Scientific Head
of Research Contract****Research Contract between Architecture and Design Department and Energy
Recovery Infrastructure Company Agenzia Regionale Ligure, I.R.E. S.p.A.**

Title Innovative technical solutions available on the market for the energy efficiency of the envelopes of residential buildings with specific reference to the redevelopment of social housing buildings of the 70s and 80s of the twentieth century

Funding body Energy Recovery Infrastructure Company Agenzia Regionale Ligure, I.R.E. S.p.A.

Amount 16.000 €

Period 2017

Person in charge**Grant: Università degli Studi di Genova**

Title Simulation of the 'full project cycle' applied to the pilot site of the European project EEB.ENERGY.2012.8.8.3: Renovation of Residential urban spaces: Towards nearly zero energy CITIES (R2CITIES)

Funding body FP7- Collaborative Project - European Commission

Amount 51.600 Euro

Period 2015-2016

Person in charge**Grant: PO CRO European Social Funding for Liguria (Italian Region) 2007-2013**

Title Requalification of the building/plant system in order to obtain sustainable construction with "near zero" energy consumption

Funding body European Social Funding for Liguria (Italian Region)

Amount 51.600 Euro

Period 2013-2014

Person in charge

	Grant: Covenant of Mayors for energy efficiency by European Union (La Spezia, Italy)
Title	Pilot project: energy efficient social housing
Funding body	European Union
Amount	15.000 Euro
Period	2013 – 2014
Person in charge	
	Grant: Operative plan by European Union for education and training (Municipality of La Spezia, Italy)
Title	Future needs of training in the building sector: sustainability and energy efficiency of buildings
Funding body	European Union
Amount	18.600 Euro
Period	2012-2013
Person in charge	
	Grant: ASPERA enterprice
Title	Guidelines for the study of the new auditorium's sustainable design characteristics for the Italian Institute of Technology (IIT)
Funding body	ASPERA
Amount	5.000 Euro
Period	2012-2013
Member of research team	
	Agreement between Genoa City Council and Università degli Studi di Genova
Title	Sustainable requalification project of a genoa's district: the "dams" district
Funding body	2010-2011
Member of research team	

	Agreement between Quality Building Enterprise and Università degli Studi di Genova
Title	Performance analyses of precast constructive systems
Funding body	Quality Building Enterprise
Amount	9.000 Euro
Period	2006
Person in charge	

	Research Grant
Title	Color in architecture: uses and analysis techniques
Funding body	Università degli Studi di Genova
Amount	5.000 Euro
Period	2006-2007
Person in charge	

	Agreement between CITTAM (Centro Interdipartimentale di ricerca per lo studio delle Tecniche Tradizionali in Area Mediterranea dell'Università degli studi di Napoli Federico II) and Università degli Studi di Genova
Title	Chromatic survey methodology for the "Piano del colore" of Naples, Italy
Funding body	CITTAM
Amount	1.000 Euro
Period	2006
Person in charge	

4.5. Competitive Research Projects

	EEB.ENERGY.2012.8.8.3: "Demonstration of nearly Zero Energy Building Renovation for cities and districts" (European coordinator: Rubén García Pajares, Fundación CARTIF, Spain)
Title	Renovation of Residential urban spaces: Towards nearly zero energy CITIES (R2CITIES)
Funding body	FP7- Collaborative Project
Amount	636.800 Euro
Period	2013-2018
Person in charge of scientific and technical/technological aspects	

	COST – C25 , European COoperation in the field of Scientific and Technical research (European coordinator: Luís Bragança, University of Minho, Portugal)
Title	Sustainability of constructions. integrated approach to life-time structural engineering
Funding body	European Research Framework Programmes
Amount	Costs for the development of the research programme
Period	2006-2010
Person in charge of scientific and technical/technological aspects	

	Project of major national interest financed by the Ministry of Education, University and Research (PRIN-MIUR) (research units: Genova, Napoli e Ancona) (Marina Fumo, Università Federico II, Naples)
Title	Methods to test the material and colour stability of exterior plasters and precast panels
Funding body	MIUR
Amount	57.000 Euro
Period	2004-2005
Person in charge of a research national unit	

	Project of major national interest financed by the Ministry of Education, University and Research (PRIN-MIUR) (research units: Genova, Napoli, Palermo e Ferrara) (national coordinator: Marina Fumo, Università Federico II, Naples)
Title	Large places and architectures of trade: proposed guidelines for the project through the analysis of the building in the Genoa's area
Funding body	MIUR
Amount	63.000 Euro
Period	2002-2003
Member of a national research unit	

4.6. Editorial Committees of Journals, Publishing Series, Encyclopaedias and Treaties

From 2016	<p>Editorial series for University Press (GUP); Title: Sustainable design and construction; Person in charge: C. Lepratti and R. Morbiducci Scientific board: Carmen Andriani (University of Genoa, IT), Thomas Auer (Technische Universitaet Muenchen, D), Umberto Berardi (Ryerson University, Toronto, CDN), Enrico Dassori (University of Genoa, IT), Andrea Giachetta (University of Genoa, IT), Christiano Lepratti (University of Genoa, IT), Marylis Nepomechie (Florida International University – Miami, USA), Renata Morbiducci (University of Genoa, IT), Thomas Spiegelhalter (Florida International University – Miami, USA)</p>
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4.7. Assignments in a PhD School

From 2014	Member of the College of PhD School
From 2017	<p>PhD course: doctorate in architecture (dot0511840), University of Genoa Tutor of PhD thesis for PhD course: doctorate in architecture (dot0511840), University of Genoa Candidate: Salvatore Pastorino, XXXIII cycle Title: Innovative materials for construction: experimentation and application development</p>
From 2016	<p>Tutor of PhD thesis for PhD course: doctorate in architecture (dot0511840), University of Genoa Candidate: Clara Vite, XXXI cycle Title: Optimisation for the design and regeneration process of constructions through decision-making methods</p>
2014-2016	<p>Tutor of PhD thesis for PhD course: doctorate in architecture (dot0511840), University of Genoa Candidate: Marco Vassale, XXIX cycle Title: Building information modeling, BIM: insights, applications, limit assessments, integrative proposals and strategies for large-scale dissemination</p>

4.8. International Fellowship

Type of fellowship	Structures and Enviromental Technologies Lab (SET), Florida International University (FIU) - Miami - USA
Course	Guest Professor
Reference person	Digital Design Studio (D-8)
Period	prof. Thomas Spiegelhalter (Co-Director Structures and Enviromental Technologies Lab (SET))
	2016

Type of fellowship	Structural Engineering Department of Civil Engineering, Northwestern University, Evanston, Illinois. USA
Course	Visiting student
Reference person	Biomechanics
Period	prof. Roberta Massabò
Type of fellowship	2003
Type of fellowship	Department of Civil, Environmental and Architectural Engineering, University of Colorado, Boulder, Colorado. USA
Course	Visiting student
Reference person	Ricerca in meccanica delle murature e identificazione parametrica
Period	prof. Benson Shing
Type of fellowship	1999
Type of fellowship	Department of Civil, Environmental and Architectural Engineering, University of Colorado, Boulder, Colorado. USA
Course	PhD student
Reference person	Ricerca in meccanica delle murature e identificazione parametrica
Period	prof. Benson Shing
Type of fellowship	1997

4.9. Spin off

Shareholders	<p>BuildTech srl</p> <ul style="list-style-type: none"> - Prof. Renata Morbiducci (DAD - Università degli Studi di Genova) - Prof. Andrea Morini (DITEN - Università degli Studi di Genova) - Ing. Clara Vite (dottorando del DAD - Università degli Studi di Genova) - Ing. Alberto Messico (assegnista del DAD - Università degli Studi di Genova) - Fratello Sole scarl <p>BuildTech is an innovative startup in the construction and infrastructure sectors that intends to transfer innovative techniques and products to the design and requalification in order to create efficient and comfortable interior and exterior spaces with a positive environmental impact. We believe that design decisions can help to improve the living conditions and the environment in which we live, regardless of the indispensable economic sustainability of what we are designing and realizing. For BuildTech the sustainability is not separate to the project, but it is an indispensable component to get better the construction sector.</p>
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4.10. Invited speaker

- 2019** R. Morbiducci, presentation in plenary session: International Conference 2019 (STC2019), Small Towns from problem to resource, 19-20 settembre 2019, University of Salerno, Italy.
- R. Morbiducci, presentasion in: L'innovazione per progettare un futuro sostenibile della città, 20 giugno 2019, Università degli Studi di Salerno, Dipartimento di Ingegneria Civile.
- 2018** 2nd Global conference on energy and sustainable development, 18th – 20th December 2018, John McIntyre Conference Centre, the University of Edinburgh, Edinburgh, United Kingdom (Conference chair)
- 2017** R. Morbiducci, oratore e organizzatore dell'evento: *Verso il 2030: i materiali innovativi per l'Europa sostenibile*, SUQ Festival 2017, presso Porto Antico, Genova, 24-06-2017.
- R. Morbiducci, intervento in: *Casarinnovabile.it con altroconsumo non è mai energia sprecata*, SUQ Festival 2017, presso Porto Antico, Genova, 17-06-2017.
- C. Lepratti e R. Morbiducci, oratori e organizzatori della giornata di studi: *Svolta energetica e crescita 1,5 gradi*, Dip. Architettura e Design, Università di Genova, Genova, 15-06-2017.
- R. Morbiducci, Seminario: *E ora ristrutturiamo i condomini. Normativa, incentivi, opportunità per amministratori, tecnici e cittadini*, MADE expo – Padiglione 10, Stand H24 – H30, presso Fiera Milano, Rho, 10-03-2017, Milano.
- R. Morbiducci, Gornata di divulgazione tecnica: *Il nuovo APE in Regione Liguria*, Università degli Studi di Genova in collaborazione con Logical Soft, 10-03-2017, Genova.
- 2016** R. Morbiducci, OneTeam - bim conference, Genova, *Codice Appalti e normativa UNI 11337, strumenti e best practice per il Building Information Modeling nel mondo degli edifici, delle costruzioni e del restauro*, 30 novembre 2016, Teatro Carlo Felice Genova.
- R. Morbiducci, *Progetto futuro* - Convegno di chiusura del percorso di formazione, 18 luglio 2016, ore 10.00 - 13.00, Palazzo Tobia Pallavicino, Sala del Bergamasco, Via Garibaldi 4 - Genova.
- R. Morbiducci, Congresso International Forum MED.NET 3. RESILI(G)ENCE GOA RESILI(G)ENT CITY, Intelligent Cities / Resilient Landscapes., 25-28 ottobre 2016, Genova.
- R. Morbiducci, Abracadabra - international workshop, Challenges and Opportunities of Add-Ons in Deep renovation of existing buildings, BOLOGNA, 23-24 JUNE 2016, PALAZZO MAGNANI.
- My Smart City District organises 5 Lunch Academy webinars during EUSEW, 8 giugno 2016, dal 08-06-2016 al 08-06-2016
- 2015** COP21-Paris 2015, Conference of Parts - UN, December 2015, Paris (FR) (Member of RINGO (No-Gov. delegation COP-UNFCCC))

R. Morbiducci, Nanoforum, 29 settembre - 2 ottobre, 2015, Politecnico di Milano, sede Bovisa, dal 01-10-2015 al 01-10-2015

R. Morbiducci, 2015, Seminario – *I Pilastri della Riqualificazione Innovativa*, Auditorium dell'Acquario di Genova, area porto antico Ponte Spinola, giovedì 23 aprile 2015, Genova.

2014 R. Morbiducci, 2014, Seminario 1 – *Il riciclo dei materiali da costruzione*, in I primi processi concreti di Economia Circolare locale per un nuovo sviluppo del territorio, Camera di Commercio – Sala dell'Ardesia, 2 aprile, 2013, Genova.

2014 R. Morbiducci, 2014, *Linee guida per il recupero degli edifici storici attenzioni metodologiche, normative*, in Ristrutturare, Risanare, Riqualificare, Convegno Tecnico EdicomEdizioni, Varazze (SV), 10 aprile, 2014.

2013 R. Morbiducci, 2013, *La Progettazione e Riqualificazione delle Costruzioni: Aspetti tecnologici*, Smart Village, tour 2013, 22 maggio, 2013, Genova.

The 3rd World sustainability forum, 1-30 novembre 2013, webinar (Invited speaker)

2012 R. Morbiducci, 2012, *Analisi comparativa delle prestazioni termoigrometriche di pannelli prefabbricati in calcestruzzo armato nelle zone climatiche italiane*, Concrete2012 IL CALCESTRUZZO PER L'EDILIZIA DEL SECONDO MILLENNIO, Progetto e tecnologia per il costruito, 25-26 ottobre, 2012, Termoli.

2011 E. Dassori, R. Morbiducci, 2011, *Riqualificazione Edilizia: Metodi e Applicazioni per la Sostenibilità*, Forum della Tecnica delle Costruzioni 2011, Made Expo, 5-8 ottobre, 2011, Milano.

M. Fumo, R. Morbiducci, 2011, *Risparmio Energetico e Sostenibilità*, VI Congresso AR.TEC., Verso un sapere tecnico condiviso nella ricerca sulla progettazione e costruzione dell'edilizia, 16-17 febbraio 2011, Roma.

5. Teaching Experience¹

5.1. Academic teaching experience: master post-laurea

2014-'15	<p>Course: Materials and Elements for Construction Role: professor in charge Master in: Expert building designer in energy efficiency and sustainability for buildings Scuola Politecnica, Università di Genova</p> <p>Course: Sustainable design for construction Role: professor in charge Master in: Expert building designer in energy efficiency and sustainability for buildings Scuola Politecnica, Università di Genova</p>
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5.2. Academic teaching experience: academic courses

From 2019	<p>Course: Techniques for building rehabilitation Role: professor in charge Engineering for Building Retrofitting Scuola Politecnica, Università di Genova</p>
From 2018	<p>Course: Digitalisation of sustainable design Role: professor in charge Civil Engineer Scuola Politecnica, Università di Genova</p>
From 2014	<p>Course: Sustainable design for architecture + lab Role: professor in charge Architectural Engineer Scuola Politecnica, Università di Genova</p>
From 2014	<p>Course: Architecture and environment Role: professor in charge Architectural Engineer Scuola Politecnica, Università di Genova</p>
From 2012	<p>Course: Fundamentals of Sustainable design Role: professor in charge Civil Engineer Scuola Politecnica, Università di Genova</p>
2010-2014	<p>Course: Design of technical details Role: professor in charge Architectural Engineer Scuola Politecnica, Università di Genova</p>
2010-2013	<p>Course: Design of technical details Role: professor in charge Civil Engineer Scuola Politecnica, Università di Genova</p>

¹ Tutor co-tutor of more than 70 degree theses for the University of Genoa..

2005-2014	Course: Architectural engineering – II course Role: professor in charge Architectural Engineer Scuola Politecnica, Università di Genova
2005-2014	Course: Lab. of architectural engineering – II course Role: professor in charge Architectural Engineer Scuola Politecnica, Università di Genova
2004-2005	Course: Architectural engineering – I course Role: professor in charge Architectural Engineer Scuola Politecnica, Università di Genova
2004-2005	Course: Conservation Historic Construction Heritage Role: professor in charge Structural Engineer Scuola Politecnica, Università di Genova
2003-2004	Course: Lab. of architectural engineering – I course Role: Professore incaricato Architectural Engineer Scuola Politecnica, Università di Genova
2001-2003	Course: Architectural engineering – I course Role: Assistant Architectural Engineer Scuola Politecnica, Università di Genova
2000-2002	Course: Mechanics of solids Role: Assistant Civil Engineer Scuola Politecnica, Università di Genova
2000-2001	Course: Mechanics of solids Role: Assistant Civil Engineer Scuola Politecnica, Università di Genova
1997-1998	Course: Theory of structures Role: Assistant Civil Engineer Scuola Politecnica, Università di Genova
1995-1997	Course: Mechanics of materials and fracture Role: Assistant Civil Engineer Politecnico Milano

1995-1997 Course: History of mechanics of solids
 Role: Assistant
 Civil Engineer
 Politecnico Milano

5.3. Academic teaching experience: tutor for international degree placements

a.a. 2018-'19 Host Institution: NTNU - Norwegian University of Science and Technology – Trondheim (NO)
Candidate: Sara Corio
Thesis Title: *Microclimatic assessment of an university campus in Norway - sustainable strategies and design solutions to enhance thermal comfort*
Thesis Advisor: Renata Morbiducci, Niki Gaitani (NTNU - Zero Emission Neighborhood Research Centre)

Host Institution: NTNU - Norwegian University of Science and Technology – Trondheim (NO)
Candidate: Martina Bianchi
Thesis Title: *Energy performance of an university campus in Norway - sustainable strategies and design solutions to reduce energy consumptions*
Thesis Advisor: Renata Morbiducci, prof. Srid Gustavsen (NTNU - Zero Emission Neighborhood Research Centre)

Host Institution: Arup – London (UK)
Candidate: Elia Galatolo
Thesis Title: *Parametric Design of Modular Buildings*
Thesis Advisor: Renata Morbiducci, Giovanni Zemella (Arup)

Host Institution: ATELIER(S) ALFONSO FEMIA – Paris (FR)
Candidate: Luca Aly
Thesis Title: Progettazione preliminare e design computazionale: vantaggi e potenzialità dell'ambiente BIM
Thesis Advisor: Renata Morbiducci. Correlatori: Clara Vite, Simone Giglio (ATELIER(S) ALFONSO FEMIA)

Host Institution: AECOM's Building & Places – Madrid (ES)
Candidate: Bernardotti Alessia, Sommariva Arianna
Thesis Title: Il BIM nella progettazione integrata: le potenzialità del Piano di Lavoro Digitale associate alla strategia di Model Checking
Thesis Advisor: Renata Morbiducci. Correlatori: Clara Vite

a.a. 2017-'18 Host Institution: WINTECH Group – London (UK)
Candidate: Ottavio Marconi
Thesis Title: *Engineering design of a curtain wall module: optimization of thermal performances, representational techniques and decision process.*
Thesis Advisor: Renata Morbiducci. Correlatori: Alberto Messico, Dimitar Petrov (WINTECH Group)

- Host Institution: Université de Liège - Liège (BE)
Candidate: Federico Ricci
Thesis Title: *Assessment of overheating risk in Passive Schools: analysis and recommendations for Flanders*
Thesis Advisor: Renata Morbiducci, Prof. Shady Attia (Université de Liège)
- Host Institution: Università di Granada - Ingegneria dell'Edificazione – Granada (ES)
Candidate: Matteo Barreca
Thesis Title: *Sostenibilità e analisi del ciclo di vita (LCA): caso studio dell'involucro di un edificio residenziale in Andalusia*
Thesis Advisor: Renata Morbiducci, Correlatori: Clara Vite, Prof. María José Granizo Díaz (Università di Granada - Ingegneria dell'Edificazione)
Host Institution: Florida International University – Miami Beach (FL, USA)
Candidate: Xu Feng, Umberto Grosso
Thesis Title: *Live with water: research on Sea Level Rise and parametric sustainable design*
Thesis Advisor: Renata Morbiducci e Christiano Lepratti, Correlatori: prof. Thomas Spiegelhalter (Florida International University)
- Host Institution: Transsolar Energietechnik GMBH – Stoccarda (DE)
Candidate: Elisa Somma
Thesis Title: *Climate Engineering, a global and conscious approach for a sustainable contemporary architecture: the Promega Walldorf project as a significant example*
Thesis Advisor: Renata Morbiducci e Monika Schulz (Transsolar Energietechnik GMBH), Correlatori: Christiano Lepratti e Clara Vite
- a.a. 2016-'17 Host Institution: Fundación Cartif – Valladolid (ES)
Candidate: Giulia Massa
Thesis Title: *Proposal of a methodology for the energy renovation of urban areas*
Thesis Advisor: Renata Morbiducci, Correlatori: Clara Vite e Miguel Ángel García Fuentes (Fundación Cartif)
- Host Institution: University of Ryerson – Toronto (CA)
Candidate: Francesco Lo Presti
Thesis Title: *Nanomaterials in energy improvement: verification of their performance by experimental laboratory tests*
Thesis Advisor: Renata Morbiducci e prof. Umberto Berardi (University of Ryerson), Correlatori: Clara Vite e Alessandro Torretta (Nanotech Surface)
- a.a. 2015-'16 Host Institution: University of Ryerson – Toronto (CA)
Candidate: Claudio Berardi
Thesis Title: *Studio, elaborazioni e analisi sperimentali di metodologie innovative per la riqualificazione sostenibile di edifici esistenti*
Thesis Advisor: Renata Morbiducci, Correlatori: Marco Vassale
- a.a. 2011-'12 Host Institution: Arup Deutschland GmbH – Berlino (DE)
Candidate: Valentina Pastorino e Eva Raggi
Thesis Title: *Energy optimisation of building envelopes through genetic algorithms: two case studies*
Thesis Advisor: R. Morbiducci, Nicolò Guarriento (Arup Deutschland GmbH - Berlin)

5.4. External teaching experience

2013	<p>Course: Energy Efficiency for Buildings Training course, Project Energy Manager, ENEL enterprice - Enel University, Rome</p> <p>Course: Sustainable Design for Buildings Training course Italia - Russia TICASS (Tecnologie Innovative per il Controllo Ambientale e lo Sviluppo Sostenibile), Genoa</p>
From 2012	<p>Course: Sustainable Design for Buildings Training course, Expert in Energy and Environmental Management, Genoa's Buildings School, Genoa</p> <p>Course: Energy Efficiency for Buildings Training course, Project Energy Manager, ENEL enterprice - Enel University Enel University, Rome</p>
From 2007	<p>Course: Building Technology Training course, Energy expert for Liguria Region, Genoa</p>
2005	<p>Course: Precast concrete technologies Training course, ICQ Italy India Construction Quality, New Delhi, India</p>
From 2005	<p>Course: Building Technology Training course, Superior technician for building site management, Genoa's Buildings School, Genoa</p>

6. Academic service

From 2019	<p>Member of the Commission for new national position for researcher and professor</p> <p>Member of the Council of Dipartimento Architettura e Design, Scuola Politecnica, Università degli Studi di Genova</p>
From 2017	<p>Member of the AQ (High Quality) Committee of the Engineering Bachelor, Architectural Engineering Course, Università degli Studi di Genova</p>
From 2015	<p>Member of the Research and Technological Transfer Committee, Università degli Studi di Genova</p>
2015-2016	<p>Member of the AQ (High Quality) Committee, Scuola Politecnica, Università degli Studi di Genova</p>
2012-2016	<p>Member of the Research Committee, Dept. Architecture and Design (DAD), Università degli Studi di Genova</p>
From 2012	<p>Member of the Government Commission for architectural engineering professional qualification</p>
From 2004	<p>Member of commissions for Laurea degree in: Architecture, Architectural Engineering, Cvili Engineering, Structural Engineering</p>
From 2009	<p>Member of competition commissions for technical and administrative staff of Università degli Studi di Genova</p>

7. Personal skills

Mother tongue	Italian				
Other language	English (UK, USA)				
	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
	C1/2	C1/2	C1/2	C1/2	C1/2

Communication skills Very good communication skills acquired during experiences as lecturer, teacher, professor and coordinator of national and international research projects

Organisational / managerial skills Very good communication skills acquired during experiences as lecturer, teacher, professor and coordinator of national and international research projects

Job-related skills Good professional skills acquired during experiences of consulting with third parties for the Università degli Studi di Genova and for the spin off BuildTech srl

Computer skills Very good communication skills acquired during experiences as lecturer, teacher, professor and coordinator of national and international research projects

Other skills Family management of a family nucleus made up of husband and three daughters (21,17 and 13 years old)

Driving licence B

8. Publications

Papers in refereed journals

- P1. Bonini, V., Galelli, P., Minetto, A., Delponte, I. e Morbiducci, R. 2019. Effects of the digital transformation on the contemporary city project, *TEMA*, Vol.5 No 1, pp. 61-71, ISSN: 2421-4574 (online).
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- P12. Dassori, E., Frasani, M. e Morbiducci, R. 2003. La gestione pianificata della commessa. In *Beton Rivista di Assobeton – Associazione Nazionale Produttori manufatti Cementizi*, n. 27 Maggio, pp. 26-31.

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- P28. Morbiducci, R., Vite, C., Messico, A. 2017. Progetti di riqualificazione di edifici esistenti nell'ambito del territorio genovese, "Colloqui.AT.e 2017. DEMOLITION OR RECONSTRUCTION?", Edicom edizioni, Monfalcone (Gorizia), 2017. ISBN (e-book): 978-88-96386-58-3; volume cartaceo (book of abstracts) 978-88-96386-57-6.
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