

Andrea Giachetta

Full Professor

Summary

Architect and PhD, Andrea Giachetta is Full Professor of Technological and Environmental Design at the Department of Architecture and Design (DAD) of the University of Genoa (Unige).

He has held various institutional roles, including two terms as Coordinator of the Bachelor's Degree in Architecture at DAD and of the track in Science and Technologies for Sustainability within IANUA, the School of Advanced Studies of Unige.

He has been teaching for many years to students in architecture, design, and building engineering, with experiences also abroad, and is a member of the Doctoral Board in Architecture and Design at DAD.

His research, often characterized by a cross-disciplinary approach and transdisciplinary collaborations, is mainly focused on the impact of technological innovation on architectural design, design teaching, and built architecture, particularly in relation to natural, anthropized, and social environments.

He has coordinated and participated in several research projects at both international and local levels, presenting their results at numerous conferences.

Before his full-time academic appointment, he carried out architectural projects and design consultancy activities of scientific relevance, which were featured in publications and specialized journals.

He is the author of six monographs (on the relationship between architecture and time, on sustainable and environmental design, including its most critical aspects, on creativity in architectural design processes, etc.), as well as numerous essays, journal articles, and conference papers.

EDUCATION AND TRAINING

Main Educational Qualifications

[05/06/2003](#)

PhD

Architectural and Environmental Technology, 14th cycle
Polytechnic University of Milan

[01/12/2001](#)

European Postgraduate Specialisation Course

Sustainable Design of the Built Environment, ABITA, Course D.R. n. 935/2001
University of Florence

[22/12/1997](#)

Master's Degree in Architecture

Graduated with honours (Award Nuovo Ambiente SAIE 97)
University of Genoa

Last updated: July 2025

PROFESSIONAL HISTORY

[01/10/2024](#)

Full Professor

Scientific Disciplinary Sector (SDS) CEAR-08/C –
Technological and Environmental Design of Architecture
University of Genova

[29/12/2014](#)

Associate Professor

SDS ICAR/12 – Architectural Technology
University of Genova

[30/12/2011](#)

Tenured Assistant Professor

SDS ICAR/12 – Architectural Technology
University of Genova

ACADEMIC APPOINTMENTS

[From 30/05/2024 to 10/12/2024](#)

President of the Examination Board for the 1st and 2nd sessions of the 2024 State Examination

for Architect, Landscape Architect, Urban Planner, Architectural Heritage Conservator, Junior Architect, and Junior Planner
University of Genova

[From 01/11/2024 ongoing](#)

Member of the Department Board

Department of Architecture and Design (DAD), University of Genova

[From 01/11/2020 to 31/10/2023](#)

Coordinator of the Bachelor's Degree Programme in Architecture (L-17)

Second term following re-election
Department of Architecture and Design (DAD), University of Genova

[From 01/11/2017 to 31/10/2020](#)

Coordinator of the Bachelor's Degree Programme in Architecture (L-17)

First term
Department of Architecture and Design (DAD), University of Genova

[From 28/11/2022 – ongoing](#)

Member of the Working Group on Teaching and Learning Methods (GLIA)

DAD Department representative
University of Genova

[From 02/04/2019 – ongoing](#)

Member of the Interdepartmental Committee for the Programme in Sciences and Technologies for Sustainability (STS), IANUA (formerly ISSUGE) – Advanced School of the University of Genova

DAD Department representative
University of Genova

[From 12/01/2017 to 09/03/2018](#)

Coordinator of the Interdepartmental Committee for the Programme in Sciences and Technologies for Sustainability (STS), IANUA-ISSUGE – Advanced School of the University of Genova

(Term concluded upon resignation due to appointment as Degree Programme Coordinator; continued in office until successor's appointment and remained in the STS Committee as DAD representative)

University of Genova

[From 08/09/2014 – ongoing](#)

Member of the University Committee for the Inclusion of Students with Disabilities and Specific Learning Disorders

Representative for the Polytechnic School (Architecture and Design)
University of Genova

[Academic Years 2018/19, 2017/18, 2016/17, 2015/16](#)

Representative for the University Course in International Cooperation and Development

For the Polytechnic School – Architecture, with Prof. M.L. Falcidieno, 1st, 2nd, 3rd, and 4th editions

University of Genova

Other roles at departmental and degree programme level

Member of selection committees for academic recruitment in other universities

EXPERIENCE

Other titles follow, organised into different subsections

TEACHING ACTIVITY

[From 26/10/2012 – ongoing](#)

Member of the Academic Board of the PhD Programme in Architecture and Design (since the 29th cycle)

Member of the Academic Board of the PhD Programme in Architecture (28th cycle)

Additionally, various roles held as: tutor, admissions examiner, final exam examiner, member of the academic board and Quality Assurance committee

University of Genova

(Also external examiner and evaluator for PhD programmes at University of Naples, University of Florence, University of Camerino, Polytechnic University of Milan)

[Since Academic Year 2004/2005 – ongoing](#)

Professor of official courses for degree programmes in Architecture, Design, and Building Engineering

Teaching carried out continuously, first as a contract lecturer, then as a tenured faculty member (Previous university teaching experience since Academic Year 1999/2000)

University of Genoa

(Seminars also delivered at University of Cagliari, Polytechnic University of Milan, Sapienza University of Rome)

[From 12/07/2005 – ongoing](#)

Supervisor, co-supervisor, and tutor for theses and final degree projects for over 350 candidates

Master's and Bachelor's degree programmes in Architecture, Building Engineering, Landscape, and Design

University of Genoa

[10/04/2019 – 12/04/2019](#)

Module: L'architecture durable, University of Corsica, IUT

Institut Universitaire de Technologie, LPECR, Licence Professionnelle Génie Civil et Construction – option Economie de la Construction et Rénovation, Corte, France; Erasmus+ Programme / Key Action 1

University of Corsica Pasquale Paoli, IUT, France

[04/02/2019 – 07/02/2019](#)

Module: Project architectural durable, University of Sousse, ISSAT

Institut Supérieur des Sciences Appliquées et de Technologie de Sousse, Master professionnel Efficacité Energétique dans les Bâtiments, Sousse, Tunisia; Erasmus+ Programme, Proemed “Boosting Environmental Protection and Energy Efficient Buildings in Mediterranean Region”

Ministère de l'Enseignement supérieur et de la Recherche scientifique, Université de Sousse, ISSAT, Tunisia

[From 2002 to 2015](#)

Additional extracurricular teaching activities on topics related to architectural technology (wood technologies, building envelope, energy certification, green building)

Training projects co-financed by the EU and/or promoted by regional authorities, provinces, consortia, building trade schools, professional orders

FUNDED RESEARCH ACTIVITIES

SCIENTIFIC RESPONSIBILITY FOR INTERNATIONAL RESEARCH PROJECTS FUNDED THROUGH COMPETITIVE CALLS

Scientific Coordinator for the DAD Department - University of Genoa (formerly DSA), Lead Partner for the following projects:

[From 01/03/2024, ongoing](#)

Project: **Femmes Libres**

Programme: **Interreg, Marittimo Italy-France Maritime 2021-27**, 1st Call; Priority 4; Ranked 1st for Specific Objective 4.1.

Number of partners: 7 (public and private)

Nationalities: Italian, French

Last updated: July 2025

Theme: development of a home-work model based on cohousing and coworking solutions, along with integrated employment inclusion services, for women victims of violence
Guidelines tested through pilot projects
Total budget: €1,373,372.10

[01/03/2020 – 28/08/2022](#)

Project: **SOFIA – Servizi per un’Ospitalità Fruibile, Inclusiva e Accogliente / Services pour un accueil Ouvert, Facile et Inclusif** (Services for Accessible, Inclusive, and Welcoming Hospitality)

Programme: **Interreg, Marittimo Italy-France Maritime 2014-2020**, 4th Call, Axis 1, Lot 1.

Number of partners: 6 (public and private)

Nationalities: Italian, French

Theme: improving the accessibility of tourist and hospitality facilities by overcoming architectural, perceptual, orientation, communication, cultural, and relational barriers

Total budget: €523,098.36

[01/10/2014 – 31/10/2015](#)

Project: Me.R – **Mediterraneo in Rete / Méditerranée en réseau** (Mediterranean Network)

Programme: **Interreg, Marittimo Italy-France Maritime, 2007-2013**, Call for simple projects for scouting, networking, and coaching initiatives for businesses in the cross-border area, Axis 2

Number of partners: 5 (public and private)

Nationalities: Italian, French

Theme: business networks for sustainable tourism and green technologies

Total budget: €571,150.00

RESPONSIBILITY FOR FUNDED INTERNATIONAL AND NATIONAL RESEARCH ASSIGNMENTS COMMISSIONED BY QUALIFIED PUBLIC OR PRIVATE INSTITUTIONS

Scientific Coordinator for the DAD Department - University of Genoa (formerly DSA) for the following projects:

[13/09/2013 – 12/09/2014](#)

Project: **Monitoring the performance of experimental technological solutions adopted in the sustainable redevelopment of Piazzale Moroni in Savona: passive solar systems. Research activity aimed at producing a user manual for the proper use of these solar systems.**

Client: Regional Territorial Housing Agency (A.R.T.E.) of the Province of Savona.

[15/03/2012 – 30/12/2012](#)

Project: **SCORE, Sustainable COnstruction in Rural and fragile areas for energy Efficiency**

European Programme: **MED Europe in the Mediterranean 2007-2013**

Client: Province of Savona, Department of Traffic Management, Structures, Infrastructure, and Urban Planning, Lead Partner of SCORE.

RESPONSIBILITY FOR UNIVERSITY PROJECTS FUNDED THROUGH COMPETITIVE CALLS

[10/05/2023 – 31/03/2024](#)

Project: **Cognitive experiments on design processes in architecture about the use of digital technologies** (with Linda Buondonno)

Call: Allocation of resources for University Research Projects (PRA) – 2022

[Academic Year 2019/2020](#)

Project: **Educational Innovation of the Bachelor’s Degree Programme (Class L-17) in Architecture**

Call: University of Genoa, Rector's Decree No. 1739/2019
Note: project leader in the role of Degree Programme Coordinator

[01/06/2014 – 30/09/2015](#)

Project: **Analysis and monitoring of passive solar buildings**

Call: University of Genoa Research Project Funding – 2013

PARTICIPATION IN OTHER FUNDED PROJECTS

Projects carried out as a member of the research team

[From 01/04/2025, ongoing](#) – MosSkin Evolution Project, PoC Instrument Line 2, Transition, Compagnia di San Paolo Foundation (PI: Prof. Enrica Roccotiello)

[28/12/2020 – 31/05/2021](#) – MosSkin Project, PoC Instrument, Compagnia di San Paolo Foundation (Prof. Katia Perini)

[01/04/2020 – 31/03/2022](#) – Interreg ALSERV Project, Art Lab Services, Marittimo Italy-France Maritime Programme (Prof. Adriano Magliocco)

[01/04/2019 – 30/09/2020](#) – Interreg ART LAB EXPERIENCES Project, Marittimo Italy-France Maritime Programme (Prof. Adriano Magliocco)

[01/02/2017 – 01/05/2019](#) – Interreg ART LAB NET Project, Marittimo Italy-France Maritime Programme (Prof. Adriano Magliocco)

[16/02/2012 – 31/12/2012](#) – Research Project, DSA Department – University of Genoa, feasibility study for the energy and functional conversion of a former power plant into a green economy district (Prof. Adriano Magliocco)

[22/05/2010 – 17/04/2012](#) – Interreg Case Mediterranee Project, Marittimo Italy-France Maritime Programme (Prof. Rossana Raiteri)

[01/02/2010 – 12/05/2011](#) – PRIN 2008 Project funded by the Italian Ministry of University and Research (MIUR) (period 2010-2012), Systemic integration of renewable energy technologies in the built environment (Prof. Giorgio Michele Giallocosta | National Coordinator: Prof. Gianni Scudo)

[10/03/2008 – 04/02/2009](#) – Research on Environmental Sustainability Assessment of Urban Development Projects (Regional Law Liguria 36/97), funded by the University of Genoa Research Project Funding 2008 (Prof. Adriano Magliocco)

[01/02/2005 – 07/09/2005](#) – Research project, DipArc Department, Faculty of Architecture of Genoa, Environmental Sustainability Study for the Territorial Coordination Plan of the Province of Savona, through the drafting of a Strategic Environmental Assessment (Prof. Adriano Magliocco)

[01/07/2005 – 28/02/2006](#) – Research fellowship on the topic Guidelines for sustainable life-cycle oriented building design processes, DipArc Department, Faculty of Architecture of Genoa (Prof. Fausto Novi | Genoa research unit, MIUR-funded research on Environmentally sustainable residential building in the Mediterranean area: eco-friendly transformation of housing, National Coordinator: Prof. Ettore Zambelli)

[01/06/2004 – 31/01/2005](#) – Research fellowship on the topic Development of analysis, simulation, and evaluation tools for natural climate control in architectural design and building retrofitting, DipArc Department, Faculty of Architecture of Genoa (Prof. Fausto Novi)

[01/02/2003 – 16/07/2003](#) – Research for the development of checklists for assessing the sustainability of tourism, sports, and recreational activities, within the Local Development Plan: Tourism and Wellness District, Framework Agreement between DipArc, Faculty of Architecture of Genoa, and Municipality of Spotorno (SV) (Prof. Rossana Raiteri)

[16/12/2001 – 19/12/2001](#) – University of Genoa grants for young researcher training in external laboratories. Research visit in Brussels, Belgium, at the studio of Architect Lucien Kroll: investigations on the relationship between architecture, ecology, and time

[27/07/1999 – 15/07/2001](#) – Nationally Significant Scientific Research Project (1999) Guidelines for sustainable innovation in building renovation and refurbishment (Prof. Rossana Raiteri | National Coordinator: Prof. Attilio Nesi)

[01/07/1998 – 13/11/1998](#) – Research project on the development of a reference framework for the rehabilitation of French urban suburbs, within the broader research on rehabilitation of residential suburbs through natural climate control strategies, commissioned by the Institute of Architecture Technology, Faculty of Architecture of Genoa (Prof. Giovanni Vittorio Galliani, then Director)

RESPONSIBILITY FOR RESEARCH FELLOWSHIP

[01/03/2024 – 28/02/2025](#) – Scientific coordinator for Research Fellowship, University of Genoa, “Research and experimentation on innovative technological/design systems and processes in architecture” (renewed); fellow: Linda Buondonno

[03/10/2016 – 31/10/2019](#) – Scientific coordinator for Research Fellowship, University of Genoa, “Innovative methods and tools for sustainable planning and design. Green technologies and green infrastructure: analysis, application, and monitoring” (renewed, extended, including maternity leave period); fellow: Katia Perini

Also acted as supervisor for research fellowships and contracts within project activities

PATENT

Moss composition for greening urban areas and system comprising such composition. Co-holder with: Enrica Roccotiello, Katia Perini, Paola Castellari, Claudia Turcato. University of Genoa (Departments: DAD, DISTAV). Italian patent. Application number: 102020000018562. Filing date: 30/07/2020.

Multilayer system with low maintenance requirements for greening urban and peri-urban areas, lightweight, versatile, and applicable on various types of surfaces, both horizontal and vertical

PARTICIPATION IN SCIENTIFIC EDITORIAL BOARDS AND REFEREEING ACTIVITIES

[Since 2025](#) – Member of the Scientific Board, BLUEPRINT series, Cratèra

[2023](#) – Co-Curator | Guest Editor, GUD 7, Sinapsi | Synapse

Last updated: July 2025

Since 2020 – Member of the Steering Board, GUD – A magazine about Architecture, Design and Cities, Stefano Termanini Editore

Since 2020 – Reviewer for TECHNE – Journal of Technology for Architecture and Environment, Firenze University Press

Since 2019 – Member of the Scientific Board, ADD – PhD Program in Architecture & Design, University of Genoa, Genova University Press (GUP)

Since 2017 – Referee for AGATHÓN – International Journal of Architecture, Art and Design, Palermo University Press

Since 2017 – Member of the Scientific Board, Sustainable Design and Construction series, Genova University Press (GUP)

Since 2017 – Referee for SMC – Official magazine of the Sustainable Mediterranean Construction Association, Luciano Editore

Reviewer for the VQR 2011–14 (Italian National Research Quality Assessment)

ORGANIZATION AND PARTICIPATION IN CONFERENCES

Since 2004 – Participation in scientific and organising/promoting committees and/or as invited or selected speaker in 47 international and national conferences.

Topics addressed include:

- Innovation in architectural design approaches, research, and university teaching - perspectives, strategies, and critical issues - mainly within the field of architectural technology, with a transdisciplinary outlook (e.g., the use of mental imagery in prefigurative processes; new trajectories in sectoral research; cognitive-based shifts in design education; innovative teaching tools and experiences, etc.);
- Case studies, results, and developments from funded research projects (e.g., cohousing for women victims of violence; strategies for accessible tourism; green technologies suited to the Mediterranean climate and developer networks; sustainable planning and design considering diverse approaches and potential criticalities; Nature-based Solutions; building production chains; timber construction; technologies for natural climate control; use of renewable energy in buildings and passive solar systems; passive houses, etc.);
- Contributions on key figures in the history of architectural technology; and more.

Conference organisers include, among others:

- Universities (e.g., Bucharest, Bologna, Camerino, Corsica, Genoa, Messina, Milan, Naples, Rome; in collaboration with universities of Amsterdam, Istanbul, Madrid, Marseille, Porto, Trieste, Vienna);
- Scientific societies and research institutes (e.g., SITdA – Italian Society of Architectural Technology, SIPCO – Italian Society of Community Psychology, SIAA – Italian Society of Applied Anthropology, MIC – Marconi Institute for Creativity, ATINER – Athens Institute for Education and Research);
- Public bodies or their networks (e.g., ANCI, Liguria Region, Dracénie Provence Verdon Agglomération, Provinces of Novara and Savona, Municipality of Genoa, Genoa Port Authority);
- Professional associations (Architects and Engineers' Chambers from various provinces);

- Associations, organisations, and companies (e.g., ASDUNI – Italian Association for the Promotion and Development of University Teaching and Learning, Science is Cool Association, Book Pride – Observatory of Independent Publishers, Confindustria Sardinia, Made Expo, Agorà, Archiportale, Edilportale, Accademia del Turismo, Etruria Nova Onlus, Lucense, SUQ Genova, Woodclap, etc.).

For more detailed information, please refer to the Italian version of the CV

MEMBERSHIP IN RESEARCH CENTERS AND SCIENTIFIC SOCIETIES

Since [24/02/2022](#) – Interuniversity Research Center A.B.I.T.A. - Bioecological Architecture and Technological Innovation for the Environment | Member of the Management Board representing the University of Genoa

Since [2012](#) – Member of SITdA – Italian Society of Architectural Technology | Conference and Research Network Delegate for the 2021–2023 and 2023–2026 terms

SCIENTIFICALLY RELEVANT PROFESSIONAL EXPERIENCE

General Note

- following several collaborative experiences, including work with the **Atelier d'Architecture Dubosc & Landowski** in Issy-Les-Moulineaux, Paris (between 1998 and 1999), known especially for its innovative use of dry layered construction systems,
- **professional practice** began in 1999 (registered with the Order of Architects of Savona, no. 470, later with the Order of Architects, Planners, Landscapers and Conservators of Genoa, no. 3201) and concluded upon taking up a full-time academic position at the University of Genoa in 2011.
- Notably, co-founder of **Ecosistemica s.a.s. di A. Giachetta & C.** (2000–2003), an interdisciplinary company (architects, environmental scientists, and biologists) providing services, consulting, and research in the field of sustainability.
- Subsequently, **design and consulting activities** for public and private institutions, mainly focused on sustainable planning and design or the development of specialised facilities (e.g., **design and site management for a residential care facility for people with severe disabilities**, located in the former Convent of San Domenico e Santa Maria delle Grazie, Ovada, AL).

Only professional experiences involving research activities and documented through academic publications, official EU project websites, press articles, or regulatory documents are listed below.

[05/12/2010 – 05/03/2011](#) – Ca' Pozzi Srl Private Initiative Invitational Competition for Modular Single-Family House & Masterplan, Luino, Varese | Promoted by a private entity | Collaboration with mag-MA architects under the group name Gecoarch | 1st Prize for the Masterplan and 3rd Prize for the Modular Single-Family House (jury included Matteo Thun, among others) | *Costruire* magazine 366, 2011

[11/07/2008 – 07/08/2009](#) – Project for Scientific-Technological Park / Research Center for Renewable Energy Sources, Former S. Elena Quarry, Bergeggi (Savona) | Promoted by a private company | Preliminary and final design, Operational Urban Plan amendment to the Municipal Urban Plan | Project selected and exhibited for the Sustainable Creativity Contest – Ortofabbrica, Gembettola, 2010 | *TECHNE – Journal of Technology for Architecture and Environment* 1, 2011; *Il Secolo XIX Savona/Province*, 12/02/2010; *Il Sole 24 Ore NordOvest*, 17/06/2009

[06/03/2007 – 30/12/2011](#) – Consulting on the sustainability of settlement interventions through Sustainability Studies (Liguria Regional Law 36/97, Articles 11 and 50), drafting of Design Guidelines for sustainability for Operational Urban Plans (PUO, Art. 50), for Urban

Last updated: July 2025

Implementation Tools (SUA), and for Regional Environmental Impact Assessment Screenings (EIA) | 13 cases | *Il Progetto sostenibile* 27, 2010 (and other published works)

[29/01/2007 – 20/03/2008](#) – Commissioned by the Province of Savona for defining updates to the Provincial Coordination Territorial Plan (PTC) aimed at integrating bioclimatic and sustainable design | Province of Savona | Drafting of Article 11 bis of the PTC Implementation Rules: “Guidelines for Bioclimatic Architecture and Green Building” and its related “Explanatory Document”

[02/02/2004 – 01/08/2007](#) – Project for sustainable redevelopment of buildings and open spaces in the urban area of Piazzale Moroni, Savona, as part of the Contratti di quartiere (Neighbourhood Contract) II of the Municipality of Savona, Legino, Savona | Regional Territorial Housing Agency (ARTE) of Savona | Responsible for the preliminary (funded), final and executive project-experimental works (in collaboration with GeSI S.r.l., Brescia; Dedalo Ingegneria S.r.l., Savona; MP/Settanta Associati, Savona and others) | 22 condominium buildings in the preliminary phase, reduced to 15 in the executive phase | Participatory urban and housing redevelopment project with experimental solutions | Project completed in 2011 | Case study in the SCORE Project, EU MED Programme | In essays, conference proceedings and journals such as: *TECHNE – Journal of Technology for Architecture and Environment* 4, 2012; *Il Progetto sostenibile* 28, 2011

[29/01/2002 – 30/12/2011](#) – Commissioned by the Province of Savona as Examiner for Municipal Urban Plans (PUC, Regional Law 36/97), both preliminary and final, including updates and amendments, with a focus on environmental analysis and Environmental Sustainability Studies | Province of Savona | Evaluation of 35 PUC projects, both preliminary and final, including updates/amendments | In essays/conference proceedings

PUBLICATIONS

Six monographs, numerous articles in A-class and scientific journals, essays in collective volumes, editorial works, conference proceedings, reviews, etc., available on IRIS.