



## **Katia Perini**

Fixed-term assistant professor

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### ***Education and training***

**2012**

#### **Ph.D in Architecture - European Ph.D Label**

The integration of vegetation in architecture. Innovative methods and tools  
- Eccellente

University of Genoa - Genoa - IT

**2008**

#### **Master's degree in Architecture**

Green as architectural component - 110/110 cum laude

University of Genoa - GENOVA - IT

**2010**

#### **Qualifying Professional Examination for Architecture**

University of Genoa - GENOVA - IT

### ***Academic experience***

**2013 - 2019**

#### **Post-doctoral fellow**

University of Genoa - Genoa - IT

**2014 - 2019**

#### **Adjunct Professor**

University of Genoa - GENOVA - IT

Adjunct Professor for Progettazione tecnologica per ambiente (Technology design for the environment)

**2016**

#### **Visiting Scholar as DAAD Grantee**

Technische Universität München - Munich - DE

**2013**

#### **Visiting Scholar as Fulbright Schuman Grantee**

Columbia University - New York City - US

**2010 - 2011**

#### **Guest researcher**

Delft University of Technology - Delft - NL

2019 - ONGOING

**Assistant Professor**

Università di Genova - Genova - IT

*Work experience*

2008 - 2009

**Architect co-worker**

AIACE srl - Milan - IT

Working on architectural and research projects in the field of technological innovation and sustainability design (from preliminary design to detailed design) of school residential office etc. buildings characterized by the use of sustainable innovative systems.

2009 - 2013

**Founder and Designer**

SPLACE - GENOVA - IT

*Language skills*

**English**

Proficient

**Spanish**

Proficient

**Italian**

Mother tongue

*Teaching activity*

Academic year 2020-2021: Professor of **“Progettazione tecnologica per l’ambiente”** (Technology design for the environment) and of 'Laboratorio di tecnologia' (Technology desing studio). Università degli Studi di Genova, Dipartimento Architettura e Design

Academic year 2019-2020: Professor of **“Progettazione tecnologica per l’ambiente”** (Technology design for the environment). Università degli Studi di Genova, Dipartimento Architettura e Design

Academic year 2018-2019, 2017-2018: Adjunct Professor of **“Progettazione tecnologica per l’ambiente”** (Technology design for the environment). Università degli Studi di Genova, Dipartimento Architettura e Design

Academic year 2017-2018: Adjunct Professor of **“Urban Environment Desgin Studio”**. With: Richard Plunz (Columabia University, Adriano Magliocco and Paola Sabbion). Università degli Studi di Genova, Dipartimento Architettura e Design

Academic year 2016-2017, 2015-2016, 2014-2015: Adjunct Professor of **“Progettazione tecnologica del verde in architettura”** (Technology design for the integration of vegetation in architectre). Università degli Studi di Genova, Dipartimento Architettura e Design

Invited lectures and seminars

November 2017: **Invited guest lecture: “Nature based adaptation strategies for urban resilience”**. ClimaLab 0250 - Chair of Building Technology and Climate Responsive Design. Technische Universität München.

May 2016: **Visiting Professor at Universitat de Lleida (Spain)**.

April 2016: **Invited guest lecture: “Nature based solutions for urban areas”**. Climate Responsive Design, Faculty of Architecture. Prof Thomas Auer Technische Universität München (Munich).

October 2015: **Critic for PhD students “Open Tables” – PhD school Architecture and Design**. Università degli Studi di Genova, Dipartimento di Scienze per l’Architettura

October 2015: **Seminar entitled: “Research management: methods and tools” – PhD school Architecture and Design**. Università degli Studi di Genova, Dipartimento di Scienze per l’Architettura

October 2013: **Invited guest lecture: “Vertical greening systems: a sustainable design practice for urban areas”**. Lehigh University, Bethlehem, Pennsylvania (U.S.A)

November 2013: **Invited guest lecture: “Greening the building envelope: Green facades and living wall systems for sustainable urban areas”**. Illinois Institute of Technology, Chicago (U.S.A)

October 2013/December 2013: **Guest critic for the mid-term and the final review of the Urban Ecology Studio**. Graduate School of Architecture Planning and Preservation – Prof. Richard Plunz and Patricia Culligan. Columbia University, New York City (U.S.A)

## ***Postgraduate research and teaching activity***

### **Supervision of PhD students, residents and post-doctoral fellows**

December 2016 - **Member of PhD committee** for the thesis “Thermal effect of vertical vegetation on low-rise building in moderate to hot climates”

Candidate Jamil Binabid. Illinois Institute of Technology, Chicago, USA

December 2016 - **Chair of the PhD committee** for the thesis “Green roofs and vertical greenery systems as passive tools for energy efficiency in buildings”

Candidate: Julià Coma Arpòn, Supervisors: Dr. Luisa F. Cabeza Fabra – Dr. Gabriel Pérez Luque. Universitat del Lleida, Department Science and Engeneering

### **PhD committees membership**

**Member of Accademic Board** (Collegio di Dottorato), PhD in Architecture and Design. Università degli Studi di Genova – DAD

## ***Research interests***

Main research interests: effects and performances of nature based solutions in the field of environmental and economic sustainability in (of) urban areas and building/urban design.

## ***Grants***

2020 - ONGOING

## **Tools governance and teaching for the climate change adaptation strategy for sustainable development**

Ministry for Environment Land and Sea Protection of Italy - IT  
Principal investigator

2020 - 2021

## **Light envelope system with mosses for buildings**

LINKS LIFTT and Compagnia di San Paolo - IT  
Principal investigator

2020 - ONGOING

## **Monitoring activity and coordination for UNALAB Pilot Project Nature-based Solutions for ex Caserma Gavoglio**

Municipality of Genoa - European Commission - IT  
Principal investigator

*Monitoring activity and coordination for UNALAB Pilot Project, Nature-based Solutions for ex Caserma Gavoglio, within HORIZON 2020 - SCC-02-2016-2017*

2020 - ONGOING

## **Adaptation and mitigation to climate change urban actions promoting health**

CCM - Italian national center for diseases control and prevention - IT  
Participant

2017 - 2020

## **PROTERINA-3Évolution**

Città Metropolitana di Genova - European Regional Development Fund PO - IT  
Participant

Participant

Research activity on green infrastructure and design/monitoring of a rain garden.

## ***Editorial activity***

Scientific committee member of the series “Pericorsi di Architettura”  
Genova University Press (GUP) editor.

Reviewer for the Journals:

Applied Energy (ELSEVIER)

Building and Environment (ELSEVIER)

Building Research & Information (Taylor and Francis)

Elsevier S&T Books

Energy Efficiency (SPRINGER)

Energy (ELSEVIER)

Energy and Buildings (ELSEVIER)

Environmental Engineering and Management Journal (Technical University of Iasi, Romania)

Frontiers of Architectural Research (Higher Education Press. Production and Hosting by Elsevier)

Journal of Cleaner Production (ELSEVIER)  
Journal of Earthquake Engineering (Taylor and Francis)  
Journal of Urban Technology (Taylor and Francis)  
Landscape and Urban Planning (ELSEVIER)  
Sustainability (MDPI)  
Sustainable Cities and Society (ELSEVIER)  
Urban Climate (ELSEVIER)

## ***Assignments abroad***

January/February 2017: **Visiting Scholar at Technische Universität München.** Chair of Building Technology and Climate Responsive Design  
March/April 2016: **Visiting Scholar as DAAD Grantee.** Technische Universität München Chair of Building Technology and Climate Responsive Design. Project title: Climate landscape. A new approach to urban design and landscape architecture. *With a research project regarding strategies for landscape architecture and urban design for climate and environmental control in dense urban areas, exploiting the integration of natural elements and forecasting (simulating) their effectiveness.*  
September 2013/December 2013: **Visiting Scholar as Fulbright Schuman Grantee.** Urban Design Lab – Graduate School of Architecture Planning and Preservation and the Earth Institute. Columbia University, New York City, USA. *With a research project regarding the environmental sustainability of dense urban areas and the role of green infrastructures, considering the policies implemented in New York city and the role of the community involvement.*  
September 2010/February 2011: **Guest researcher.** Delft University of Technology, Department of Materials & Environment, The Netherlands. *Title of the researches developed (in collaboration with Dr. Marc Ottele): “An experimental approach to determinate the effect of vertical greenery systems on thermal resistance and wind velocity”, “A comparative life cycle analysis for green façades and living wall systems”.*