



Academic profile



Giulia Lamberti

Human-centred building physics for healthier and climate resilient environments.



LinkedIN



Building Physics (IIND-07/B)
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LIFT Lab



I combine **field measurements**, **analytical** and **numerical approaches** to improve **comfort** and **energy performance** in buildings and cities.

EDUCATION & RESEARCH



2019
MSc in Architectural Engineering
University of Pisa
110/110 cum laude



2023
PhD in Energy, Systems, Territory and Constructions Engineering
University of Pisa



2023 – 2024
Postdoctoral Research Fellowship
University Paris-Est – ESTP



2024 – 2026
Postdoctoral Research Fellowship
University of Pisa

RESEARCH FINGERPRINTS



Thermal Comfort



HVAC Control



Indoor Environmental Quality



Historic Buildings



Adaptive models



Urban Microclimate



Educational Buildings



Data-driven Analysis

RESEARCH CONTRIBUTION TO SUSTAINABLE DEVELOPMENT GOALS

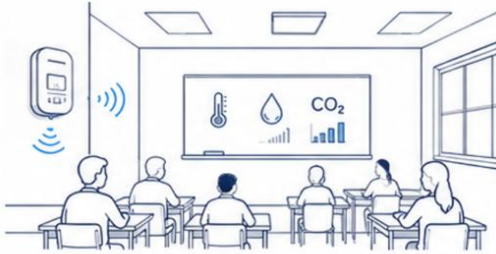




Research activity

From indoor comfort to climate-resilient built environments

1 Healthy indoor environments



Thermal comfort, IEQ and occupant well-being in schools, public buildings, and workplaces.

2 Climate-adaptive heritage



Microclimate control and energy retrofit strategies for historic buildings.

3 Urban microclimate & heat exposure



Outdoor environmental quality indicators and radiative heat exposure using field monitoring and infrared thermography.

MONITOR



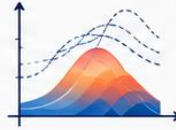
INTERPRET



MODEL



PREDICT



DESIGN



Core methods

Field measurements;
Adaptive comfort models;
Data-driven analysis; Infrared thermography

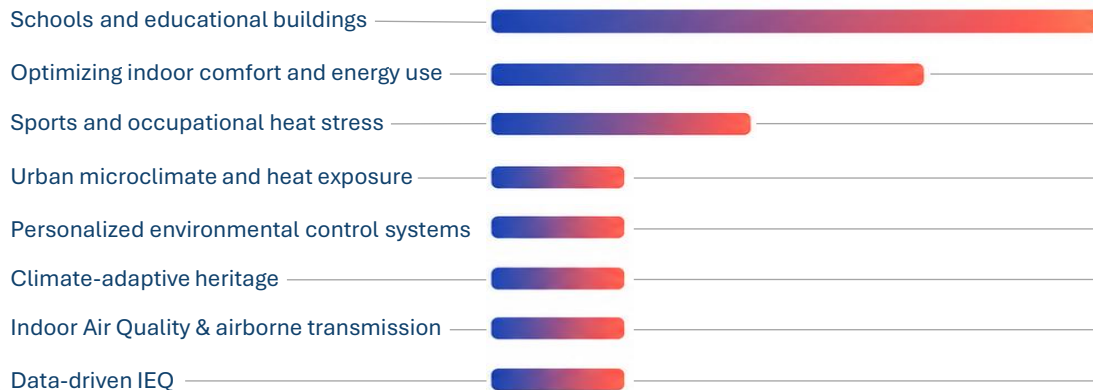


Research activity

Overview of research topics and dissemination

RESEARCH TOPICS

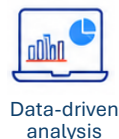
Thematic distribution of publications



Selected publication venues

-  Energy and Buildings
-  Building and Environment
-  Journal of Building Engineering
-  Journal of Cultural Heritage
-  Total Environment Research Themes
-  Building Research & Information

RESEARCH APPROACHES



**Scan to view
Scopus profile**

Author ID: 57214102490



International research network

Current partnerships across countries



France – Climate adaptive heritage

ESTP – ENSA Paris-Val de Seine – Université Paris-Cité –
Fondation Le Corbusier – LRMH – DRAC Île-de France



Switzerland – Data-driven IEQ

Idiap Research Institute – EPFL



Denmark – Multi-domain comfort analysis

Technical University of Denmark (DTU)



IEA EBC Annex 87

Personalized Environmental Control Systems (PECS)



IEA EBC Annex 95

Human-centric buildings for a changing climate



IEA EBC Annex 97

Sustainable cooling in cities

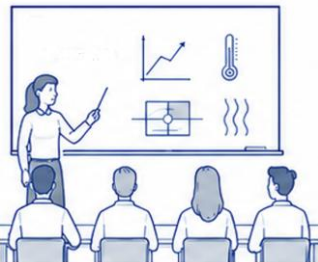
INTERNATIONAL DISSEMINATION





Teaching activity

Courses and academic supervision across international, university and doctoral education



International Teaching

Applied Thermodynamics

Course instructor at ESTP (Paris, FR)

Master Degree in Civil Engineering
AA. 2023-2024



Co-Teaching

Building Physics

Co-lecturer at University of Pisa

Master Degree in Architectural Engineering
AA. 2024-2025



PhD Course

Techniques for Monitoring Indoor and Outdoor Microclimates for Research Purposes

PhD programme in Energy, Systems, Territory and Construction Engineering



Thesis supervision

Master's Degree students

Co-supervisor of theses on IEQ, building energy efficiency, and Urban Heat Island

Since 2019
>15 thesis co-supervised