

LETIZIA CROCIATI
CURRICULUM VITAE





LETIZIA CROCIATI

PHD STUDENT | ARCHITECT

ARCHITECTURE | SUSTAINABILITY | BIO-BASED MATERIALS | BAMBOO MECHANICAL CHARACTERISATION | LIFE CYCLE ASSESSMENT | DESIGN

CONTACT

+39 366 494 6953

letizia.crociati2@unibo.it
letziacrociati9@gmail.com

Cesena, Italy

letziacrociati

letziacrociati1851 (Issuu)

LANGUAGES

- Italian: Fluent - native
- English: Fluent - C1 (2024)
- French: Basics

SKILLS

- Project Management
- Public Relations
- Teamwork
- Time Management
- Effective Communication
- Critical Thinking

Italian Driving Licence
type B (all cars and moped)

PROFILE

Born in Cesena (FC) in 1998. Obtained the High School Diploma at Augusto Righi Scientific High School in Cesena in 2017. Achieved a Master's Degree with honors in Architecture at Alma Mater Studiorum, University of Bologna in March 2023. In November 2023 started a granted PhD research program at the University of Bologna, with an international program EIT4SEMM, focusing on innovative approaches to ensure the environmental safety, with particular reference to the European context.

EDUCATION & TRAINING

- PH.D. STUDENT IN STRUCTURAL MECHANICS** NOV 2023 - PRESENT
Alma Mater Studiorum - University of Bologna
Department of Civil, Chemical, Environmental, Materials Engineering (DICAM)
EIT4SEMM Programme - Engineering and Information Technology for Structural and Environmental Monitoring and Risk management
- SINGLE-CYCLE MASTER'S DEGREE** SEP 2017 - MAR 2023
Alma Mater Studiorum - University of Bologna
Department of Architecture
Grade 110/110 with honors
Main subjects: Architectural Design, Urban Planning, Restoration, History of Architecture, Structural Mechanics
- HIGH SCHOOL DIPLOMA** SEP 2012 - JUL 2017
Scientific High School Augusto Righi, Cesena
Main subject: Mathematics, Physics, Science, Italian, English, Latin

COMPETITIONS

- THE FUTURE IN HISTORY** MAR 2025
Thesis award in memory of prof. Federico Bucci
Attendance at the competition focused with the thesis project "Fiera District di Bologna: project for the redevelopment of public spaces and for the tower of Emilia-Romagna region."

<https://shorturl.at/52XT8>

TECHNICAL SKILLS

SOFTWARES

AutoCAD	★★★★★
Rhinoceros	★★★★★
Photoshop	★★★★★
Luimion	★★★★★
Enscape	★★★★★
Revit	★★★★★
Agisoft Metashape	★★★★★
Envi-MET	★★★★★
OpenLCA	★★★★★
Straus7	★★★★★

SUITES

★★★★★

Microsoft
Adobe
iWork

COMMUNICATION

★★★★★

Microsoft Teams
Skype
Zoom
Google Meet
FaceTime

Digital drawing
Structural Analysis
Environmental Analysis
Environmental Performance

AGNESE GHINI GRADUATION AWARD 2023

MAY 2024

Special mention for the Master's thesis "Fiera District of Bologna: project for the redevelopment of public spaces and for the tower of Emilia Romagna region."

<https://www.unipr.it/en/node/105277>



HYBRID COWORKING

JUL 2023

new spaces for nomad professionals

Attendance at the competition focused on the regeneration of underused indoor spaces, combined with the co-working purpose.

<https://www.terravivacompetitions.com/hybrid-coworking-competition-2023/>

ENVI-MET UNI LAB AWARD 2023

JUN 2023

Attendance at the competition focused on the research and innovation in the urban microclimate modelling using ENVI-met software.

<https://www.envi-met.com/it/uni-lab-award-2023/>

PROFESSIONAL BACKGROUND

ATTENDANCE AT BAMBOO WORKSHOP GENOVA EXPO 2024

OCT 2024

Attendance at the workshop of Italian Association of Bamboo - AIB.

<https://expoalfontanabuona.it/>

PRESENTATION AT A. GHINI GRADUATION AWARD 2023

MAY 2024

Presentation of the winning thesis project and award ceremony.

<https://www.unipr.it/en/node/105277>

PRESENTATION AT CONFERENCE NEXTBUILT 2024

MAY 2024

Presentation of a paper of the LCA for recycled wood particleboards.

<https://next-built.org>

ATTENDANCE AT RILEM SPRING CONVENTION 2024

APR 2024

Attendance as member of the technical committee of Mechanical Characterization of Bamboo MCB.

<https://www.rilem.net/agenda/>

ATTENDANCE AT WORKSHOP EN-ACTION LAB

APR - JUL 2023

Attendance at the workshop on the energetic transition themes against the climate change and "energy literacy" in collaboration with Architecture Master's Degree program and Ph.D in Architecture and Culture of the Project.

MEMBERSHIPS

PRESENT

- RILEM – MCB Technical committee

PAST

- S.P.A.Z.I Architettura

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PRESENTATION AT NOCMAT 2022

JUN 2022

The International Conference on Non-Conventional Materials and Technologies Presentation on the mechanical behavior of sandwich panels with Arundo donax core and skins with flax fibers and epoxy resin.

<https://nocmat.lasaweb.org/>

ATTENDANCE AT NEXTBUILT 2022

MAY 2022

The International Conference on "Challenges for the NEXT Gen BUILT environment".

<https://next-built.org/>

PRESENTATION FOR THE SEMINAR ON ARCHITECTURAL SANDWICH PANELS WITH ARUNDO DONAX

DEC 2021

Seminar on the mechanical behavior of sandwich panels with Arundo donax core and skins with flax fibers and epoxy resin at Alma Mater Studiorum – University of Bologna, Department of Architecture.

ATTENDANCE AT ESBBC 2021

JUL 2021

The 1st European Summer School on Bio-Based Composites From plant & wood timbers to advanced composites.

<https://events.femto-st.tr/ESBBC/>

PUBLICATIONS

Crociati, L., Jeannin, T., Molari, L., & Placet, V.

2022

SANDWICH PANELS WITH CORE IN ARUNDO DONAX AND SKINS IN FLAX FIBRE WITH RESIN

8th International Conference on Non-conventional Materials and Technologies (NOCMAT 2022).

<https://doi.org/10.5281/zenodo.6811615>

Crociati, L., Zambelli, P., Gozzi, D., Bolis, V., Volpi, M., Bonoli, A., Molari, L.

2024

LIFE CYCLE ASSESSMENT FOR PARTICLEBOARDS WITH RECYCLED WOOD IN AN INDUSTRIAL CONTEXT

IOP Conference Series: Earth and Environmental Science. Volume 1402, International Conference on Challenges for the Next Generation Built Environment (NEXTBUILT 2024)

<https://iopscience.iop.org/article/10.1088/1755-1315/1402/1/012029>

Donini, G., Crociati, L., Molari, L., Ferrante, M., Conidi, G., Zambelli, P.

2025

MECHANICAL CHARACTERIZATION OF MIXED PARTICLEBOARD PANELS MADE OF RECYCLED WOOD AND ARUNDO DONAX

Industrial Crops and Products, Volume 224.

<https://doi.org/10.1016/j.indcrop.2024.120244>

EDUCATIONAL TRIPS

Toronto, Canada

Attendance at English courses at Global Village English School.

Hosted by a local family.
2015 - 15 days

Edinburgh, UK

Attendance at English courses at Mackenzie School of English.

Hosted by a local family.
2014 - 15 days

Saint-Laurent-du-Var, France

Attendance at courses in the third year of upper secondary school in French.

Hosted by a local family.
2011 - 1 week

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WORK EXPERIENCES & COLLABORATIONS

VIRGINIA TECH

JAN 2025 - PRESENT

Visiting Scholar at the department of Design of the College of Architecture, Arts, and Design

Blacksburg, VA, USA

SADEPAN CHIMICA SRL, GRUPPO MAURO SAVIOLA

NOV 2023 - APR 2024

Company **PhD collaboration**

Viadana, Italy

FEMTO-ST INSTITUTE

SEP 2021 - NOV 2021

Internship at the École nationale supérieure de mécanique et des microtechniques

Besançon, France

UNIVERSITY OF BOLOGNA

DEC 2020 - DEC 2022

Administrative Tutor for the University Course at the Department of Architecture of Alma Mater Studiorum - University of Bologna

Cesena, Italy

INTERPERSONAL EXPERIENCES

AVIS

FEB 2022 - PRESENT

Member of the Association of Voluntary Italian Blood Donors

S.P.A.Z.I ARCHITETTURA ASSOCIATION

OCT 2019 - NOV 2023

Member of the university association: organisation of cultural events, study trips, and collaborations.

ASP CESENA

JUN 2016 - AUG 2016

Volunteer as assistant for office work and events

QUELLI DI S.E.M.P.R.E. CESENA

SEP 2015 - MAR 2016

Volunteer as basketball coach

Check my Architecture Portfolio
on Issuu (@letziacrociati1851)

