

LIA MARCHI

EDUCATION AND TITLES

- Oct 2016 - Mar 2020 **Ph.D. in Architecture (ICAR/12)**
Alma Mater Studiorum University of Bologna
Department of Architecture - XXXII Ph.D. Programme
Thesis: Compatibility of industrial facilities with the landscape. Mitigation strategies for the Agri-food in Emilia-Romagna. | Supervisor: Prof. E. Antonini | Co-supervisor: Prof.ssa V. Orioli
- Sep 2010 - Jul 2015 **Master degree in Architecture**
Alma Mater Studiorum University of Bologna
Department of Architecture - Cesena Campus
Thesis: Ina-Casa La Fiorita. Urban regeneration strategies aimed to a shared reuse. | Thesis Coordinator: Prof.ssa V. Orioli | Thesis Advisors: Prof. E. Antonini, Arch. D. Parise | Grade: 110L/110
- 2017 **English (Level C1)**
Certificate in Advanced English (CAE)

PROFESSIONAL TITLES

- Jul 2021 **LEED Green Associate**
U.S. Green Building Council
Professional qualification awarded by passing the U.S. GBC LEED GA exam and continuous education programme
- Feb 2016 **Professional qualification (Section A)**
Alma Mater Studiorum University of Bologna
Qualifying exam for Architect, Urban planner, Landscaper architect, Cultural and natural heritage curator

RESEARCH AND ACADEMIC TEACHING ACTIVITIES

- 25-29 Apr 2022 **Visiting teaching staff**
Erasmus+ at Czech Technical University in Prague, Czechia
Lectures on Coupling perceptual-aesthetic impact with environmental assessment-driven strategies in factories, at the course Building Quality Complex Assessment, and University Centre for Energy Efficient Buildings
- Mar 2022 - Sep 2022 **Teaching tutor (ICAR/12)**
Alma Mater Studiorum University of Bologna, Ravenna Campus
Second cycle degree programme (LM) in Engineering of Building Processes and Systems
Final Workshop: Sustainable Architecture
- Feb 2022 - Sep 2022 **Teaching tutor (ICAR/12)**
Alma Mater Studiorum University of Bologna, Cesena Campus
Single cycle degree programme (LMCU) in Architecture
Course: Design Projects M
- Sep 2021 - Sep 2022 **Adjunct professor**
Alma Mater Studiorum University of Bologna, Ravenna Campus
Second cycle degree programme (LM) in Engineering of Building Processes and Systems
Course: Research on Historic Building M (Module 2)
- Oct 2020 - Sep 2022 (1+1 years contract) **Post doctoral research fellow (ICAR/12)**
Alma Mater Studiorum University of Bologna
Department of Architecture
Topic: Strategies for mitigating the impact of industrial facilities on the landscape; holistic sustainability in design | Supervisor: Prof. E. Antonini
- since 2020 **Reviewer for international journals and scientific conferences**
Buildings, Sustainability, Remote Sensing (MDPI); Energy Research & Social Science (Elsevier); CPCL (AlmaDL Journals Collection); The Ecological Turn Conference (Bologna, 2021); Technological Imagination Conference (Roma, 2022).
- Jul 2018 - Sep 2018 **Research grant SITdA 2018**
Research grant promoted by Società Italiana Tecnologia dell'Architettura and supported by ENEA
Research and classification of intervention models and case studies that integrate energy retrofitting actions in Smart Districts
- Sep 2017 - Dec 2017 **Visiting PhD student**
University of Cambridge (UK)
Department of Engineering - Institute for Manufacturing (IfM)
Research term abroad in collaboration with Centre for Industrial Sustainability | Supervisor Prof. S. Evans

RESEARCH PROJECTS AND NETWORKS

- since 2020 **TRACE team**
Technology and Resilience in Architecture, Construction and Environment team | University of Bologna
Research team of the Department of Architecture operating on the transition of the built environment towards a low carbon and more sustainable society.
- Sep 2019 - Sep 2022 **LED2LEAP**
European Project KA2 Erasmus+, 24 months
Landscape Education for Democracy to Learning, Empowerment, Agency and Partnership. Participant as member of the Department of Architecture and organizer of the Italian Intensive Programme 2022 in Lucca on the reuse of dismissed religious heritage.
- Sep 2019 - Sep 2021 **InSPiRE**
Regione Emilia-Romagna | POR-FESR 2014-2020
Integrated technologies for Smart buildings and PREdictive maintenance. Participant to the project research activities and results dissemination.
- Dec 2016 - Dec 2018 **ArchISTEAM**
European Project KA2 Erasmus+, 24 months
Greening the Skills of Architecture students via STEAM education. Participant to the project workshops in Italy/Turkey/Denmark.
- Sep 2017 (ongoing) **Sustainability Cohort**
University of Cambridge, Department of Engineering - Institute for Manufacturing (UK)
International group of researchers and practitioners working on industrial sustainability from a variety of angles, including design, engineering and manufacturing.
- since 2017 **Società Italiana Tecnologia dell'Architettura (SITdA)**
Member of the Italian Society of Architectural Technology
- since 2016 **OFF_LINE**
Officina di studio di Tecnologia dell'Architettura | University of Bologna, Cesena Campus
Research and hands-on experiments on technical innovation and energy efficiency for the built environment.

CONFERENCES

- 13 May 2022 **NEXTBUILT: Int. Conf. on Challenges of the Next Generation Built Environment. Bologna (I)**
Member of the Organising Committee and Roundtable manager
- 16-17 Sep 2021 **SEB 2021: Sustainability in Energy and Buildings. KES International online edition**
Oral presentation
- 22-24 Apr 2021 **FORM 2021: XXIV Int. Scientific conference on Advance In Civil Engineering. Moscow (R)**
Oral presentation
- 12-13 Apr 2021 **ICEIAB 2021: Int. Conf. on Environmental Impact Assessment of Buildings. Venezia (I)**
Oral presentation and Session chair
- 23 Nov 2018 **The Matter of Future Heritage. Bologna (I)**
Member of the Organising Committee
- 2-4 Oct 2018 **WIT Conference Eco-Architecture 2018. New Forest (UK)**
Oral presentation
- 12-14 Jun 2017 **XX Conferenza Nazionale SIU. Urbanistica e/è azione pubblica. Roma (I)**
Oral presentation

AWARDS

- Apr 2021 **Best Presentation Award IRC 2021**
Award given by International Research Conference within ICEIAB 2021 (International Conference on Environmental Impact Assessment of Buildings) to the outstanding work "Enhancement to Green Building Rating Systems for Industrial Facilities by Including the Assessment of Impact on the Landscape"
- Sep 2020 **Lions Award "Ricerca Scientifica e Innovazione Tecnologica"**
Special mention for the PhD project
Yearly award given by Lions Club Bologna to the best PhD students from University of Bologna for their outstanding scientific research and technological innovation.
- Mar 2019 **RE-LIVE 2019**
Società Italiana di Tecnologia dell'Architettura, MADE – Fiera Milano RHO, Milano
Special mention as Member of BANSHEE team for the renovation proposal of a neighbourhood in Rogoredo

- Feb 2016 **Rotary award and grant “Gianni Bassi”**
Special mention for the university career and the master thesis
Given by Rotary Club to graduates of the School of Engineering and Architecture in Cesena, Forlì and Ravenna

WORKSHOPS & COURSES

- 22-23 Jun 2021 **Social Life Cycle Assessment**
Associazione Rete Italiana LCA – Digital edition
Participant in the Summer School about S-LCA general approach and specific methodology.
- 3-4 Apr 2019 **Sustainable Development Research – an Interdisciplinary Chance or Challenge?**
University Alliance for Sustainability – Freie Universität, Berlin
PhD Workshop about the Agenda 2030 in Education, part of the Spring Campus Conference of the UAS.
- 10-21 Sep 2018 **Creating Resilient Corridors**
Eit Climate-KIC Catapult Urban Transition – Bologna
Member of the PhD Autumn School that provided a solid understanding of urban transition processes by theoretical knowledge, case studies and hands-on exercises

PROFESSIONAL EXPERIENCE

- Jun 2022 - ongoing **Scientific journal editorial member**
in_bo. Ricerche e progetti per il territorio, la città, e l'architettura (ISSN 2036 1602)
Member of the editorial team after call for editors.
- Jan 2021 - ongoing **Teaching module**
Consorzio Legno Legno - Correggio (RE)
Teacher in online training courses for high quality installation of doors and windows (UNI 11673 - EQF 4).
- Jun 2019 **Teaching module**
Scuola Provinciale Edile CPT – Ravenna
Teacher in the master “Manager in the management of projects of buildings and industrial plants”: controls, testing methods and facility management (LEED method and legal issues).
- Aug 2015 - on going **Architect**
Freelancer – Modigliana
Building renovation, energy retrofitting, and energy-efficient new construction design. Works are mainly placed in Faenza, Modigliana and Brisighella.
- Aug 2015 - Oct 2016 **Architect**
A+4Studio Architetto Paolo Rava – Faenza
Sustainable and ecological architecture , architectural and executive design, interior design, rendering.

SELECTED PUBLICATIONS

- 2022 Marchi, L. (accepted for publication-expected 2022), Places of production fostering sustainable development, Quaderni/Notebook Abitare la Terra/Dwelling on Earth, Gangemi Editor International Publishing.**
- Marchi, L., Antonini, E. (2022) ‘Digital Atlas of Tactics to Designing Sustainable Factories, Sustainability’, 14(7), 4321.**
- Marchi, L. (2022), *Designing Sustainable Factories. A Toolkit for the Assessment and Mitigation of Impact on the Landscape*, Advances in Global Change Research series, vol.72, Springer.
- Vodola, V., Antonini, E., Gaspari, J., Marchi, L. (2022), ‘A Methodology for Fast Simulation of Energy Retrofitting Scenarios of Social Building Stock’, in Sustainability in Energy and Buildings 2021, Smart Innovation, System and Technologies, Heidelberg, Springer, pp. 147 - 157.
- 2021 Marchi, L., Antonini, E. (2021), ‘A tool to evaluate what makes a factory sustainable’, IJSBTUD - International Journal of Sustainable Building Technology and Urban Development, 12(2), pp. 142-153.**
- Marchi, L., Antonini, E., Politi, S. (2021), ‘Green Building Rating Systems (GBRSs)’, Encyclopedia, 1, pp. 998-1009.
- Marchi, L., Antonini, E. (2021), ‘Enhancement to Green Building Rating Systems for Industrial Facilities by Including the Assessment of Impact on the Landscape’, International Journal of Civil and Environmental Engineering vol. 15, no. 4, World Academy of Science, Engineering and Technology.
- Gaspari, J., Antonini, E., Marchi, L., Vodola, V. (2021) ‘Energy Transition at Home: A Survey on the Data and Practices That Lead to a Change in Household Energy Behavior’, Sustainability, 13, 5268. **

- 2020 Marchi, L. (2020) 'Towards the harmonization of industrial facilities with the landscape: a catalogue of good practices', *SMC - Sustainable Mediterranean Construction*, 12. **
- Marchi, L. (2020) 'Rating System as design tool to manage complexity', in Mussinelli, E., Lauria, M. e Tucci, F. (eds) *La PROduzione del PROgetto*, e-book.
- Marchi, L., Antonini, E., Orioli, V., Evans, S. (2020) 'Mitigating the impact of factories on the landscape: an assessment and design support tool', *Int. Journal of Sustainable Development and Planning*, 16 (3).*
- Marchi, L., Pennacchio, R., Thiébat, F. (2020) Regeneration and prevention in the system approach, in Lucarelli, M.T., Mussinelli, E., Daglio, L. and Leone, M.F. (eds) *Designing resilience*, STUDI E PROGETTI, Maggioli Editore, e-book, pp. 142-151.
- Massari, M., Marchi L., Corda, G., Lorenzo, V., Maldina, S., Lama, P. (eds.) (2020), *The Matter of Future Heritage*, in: CPCL PhD Series, vol.1, TU Delft Open.
- 2019 Marchi, L. (2019) 'Orologel. Tra radicamento territoriale, innovazione tecnologica e immagine aziendale', in Gulinello, F. and Mucelli, E. (eds) *Fabbrica della meraviglia*. Salerno: LetteraVentidue, pp. 9-14.
- Marchi, L. (2019) 'Rating System come strumento di progetto per governare la complessità', in Mussinelli, E., Lauria, M. e Tucci, F. (eds) *La PROduzione del PROgetto*. Santarcangelo di Romagna: Maggioli Editore, pp.146-152.
- Monsù Scolaro, A., Marchi, L. (2019) 'Il bilancio ambientale come supporto decisionale al progetto esecutivo di riqualificazione', *TECHNE*, 18, pp. 272-281. **
- 2018 Marchi, L., Antonini, E., Evans, S. (2018) 'Landscape Compatibility of Factories: from Practice to Tactics', *WIT Transactions on the Built Environment*, 183, pp. 25-36.
- 2017 Marchi, L. (2017) 'Verso la Sostenibilità dei Luoghi della Produzione. Un Sistema di Azioni Condivise per Riqualificare il Territorio', *XX Conferenza Nazionale SIU - Urbanistica e/è Azione Pubblica. La responsabilità della proposta*, pp. 1634-1638.
- Marchi, L., Palumbo, E., Lombardi, A., Antonini, E. (2017) 'Ina-Casa La Fiorita. Un protocollo per la riqualificazione condivisa dell'edilizia sociale', *TECHNE*, 14, pp. 261-271. **
- Lombardi, A., Marchi, L. (2017) 'Dal progetto al manuale, una strategia di rigenerazione urbana condivisa per 'La Fiorita' a Cesena', in Balducci, V. and Orioli, V. (eds) *Le forme dello spazio abitabile. Trasformazioni dell'housing sociale a Cesena, Forlì, Bologna*, Roma: Bononia University Press, pp. 181-201.

Legend: * ANVUR 'Scientific' journal; ** 'A Class' journal