

LIA MARCHI

CURRICULUM VITAE

EDUCATION & ACADEMIC TITLES

Feb 2023 National Academic Qualification (ASN) to the role of Associate Professor
Ministry of University and Research (MUR)
The title allows to be hired in the role of Associate Professor within the Italian university system. Valid until February 2033.

Oct 2016 - Mar 2020 Ph.D. in Architecture (SSD ICAR/12)
Alma Mater Studiorum University of Bologna
XXXII Ph.D. Programme in Architecture
Thesis title: Compatibility of industrial facilities with the landscape. Mitigation strategies for the Agri-food in Emilia-Romagna. | Supervisor: Prof. E. Antonini, Co-supervisor: Prof. V. Orioli

Sep 2010 - Jul 2015 Master's degree in architecture (LM CU)
Alma Mater Studiorum University of Bologna
School of Engineering and Architecture, Cesena Campus
Thesis title: Ina-Casa La Fiorita. Urban regeneration strategies aimed to a shared reuse.
Supervisor: Prof. V. Orioli, Co-supervisors: Prof. E. Antonini, Arch. D. Parise,
Grade: **110L/110**

Jun 2017 Advanced English Certificate (Level C1 - CAE)
Cambridge English Qualifications

PROFESSIONAL TITLES

Jul 2021 LEED Green Associate®
U.S. Green Building Council
Professional qualification awarded by U.S. GBC LEED GA and confirmed every three years by continuous education programme.

Apr 2016 Member of the Chamber of Architect
Ordine Architetti Pianificatori Paesaggisti Conservatori di Ravenna (OAPPC), member n. 870
Qualifying exam state for Architect, Urban planner, Landscaper architect, Cultural and natural heritage curator gained at Alma Mater Studiorum University of Bologna in February 2016. The membership is renovated yearly and confirmed by fulfilling continuous education activities on a three-years basis.

RESEARCH EXPERIENCE

1) **A.Y. 2024-25 Post doctoral research fellowship PRIN 2022 (SSD ICAR/12)**
Alma Mater Studiorum University of Bologna
Department of Architecture
Project: BETTER POLICY - Building Environmental Tools To Empower Responsive Policies
Outreaching LifeCYcle Guide lines and protocols to enable Public Administrations-driven processes in the Italian construction sector | Supervisor: Prof. J. Gaspari

2) **A.Y. 2023-24 Post doctoral research fellowship (SSD ICAR/12)**
Alma Mater Studiorum University of Bologna
Department of Architecture
Topic: BE2U Buildings, Energy, Environment and Users: Strategies and policies for low carbon transition | Supervisor: Prof. J. Gaspari

3) A.Y. 2022-23 **Post doctoral research fellowship (SSD ICAR/12)**

4) A.Y. 2021-22 Alma Mater Studiorum University of Bologna

5) A.Y. 2020-21 Department of Architecture

Topic: strategies to mitigate the impact of industrial facilities on the landscape and the environment; holistic sustainability in design | Supervisor: Prof. E. Antonini

Feb 2024 (ongoing) **C-NEWTRAL Doctoral Network**

Horizon MSCA-DN, 48 months [GA: 101119603]

The aim is to advance new approaches for integrated planning of climate-neutral cities through citizen engagement and city governance decision-making support. Co-supervisor of 1 of the 12 PhD candidates involved, and Member of the Training Committee.

Jan 2022 - Dec 2024 **Osservatorio OFFICIO**

Ministero dell'Ambiente e della Sicurezza Energetica (MASE)

Ricerca di Sistema Elettrico Nazionale, 36 months

The project "Ottimizzazione Filiere off-site per la riqualificazione dell'ambiente costruito" is coordinated by ENEA, and aims at studying solutions for the efficiency and optimisation of processes, clusters and industrial supply chains, and especially related to the development of Off-Site Construction waste-based thermal insulation panels.

May-Jun 2023 **Modigliana Footbridges**

University of Bologna for Romagna flooding emergency 2023

Research activity aimed at producing a basic information report for Shigeru Ban Architects, Voluntary Architects Network and New European Bauhaus for the feasibility study of the two pedestrian bridges over Ibola and in the Portacce area in the Municipality of Modigliana (FC). Participant as local expert.

Sep 2022 - Dec 2023 **Research consultancy for Landscape Impact Assessment**

Commission from Unione dei Comuni Valle Savio to Alma Mater Studiorum University of Bologna, Department of Architecture [Prot. N. 0022514/2023 27/06/2023]

The project "Affidamento del servizio di ricerca a supporto della redazione del Piano urbanistico generale (PUG) intercomunale" aims at defining rules to be included in regulations to assess and mitigate visual and environmental impact of rural and industrial buildings within the valley. Participant as expert consultant.

Dec 2022 (ongoing) **OLA - Democratic Landscape Transformation: Towards an Open Landscape Academy**

Erasmus+, 36 months [GA: 2022-1-DE01-KA220-HED-000085922]

OLA aims to educate at democratic landscape transformation approaches and strategies and build an Open Landscape Academy. Participant as UNIBO DA member.

Sep 2019 - Sep 2022 **LED2LEAP - Landscape Education for Democracy to Learning, Empowerment, Agency and Partnership**

Erasmus+, 24 months [GA: 2019-1-NL01-KA203-060497]

LED2LEAP aims to prepare the future generation of landscape architects and planners for their role as democratic leaders for sustainability. Participant as member of UNIBO DA and organizer of the Italian Intensive Programme 2022 in Lucca on the reuse of dismissed religious heritage.

Sep 2019 - Sep 2021 **InSPIRE - Integrated technologies for Smart buildings and PREDictive maintenance**

Regione Emilia-Romagna, POR-FESR 2014-2020

InSPIRE aims at integrating enabling technologies into building components and systems for the monitoring of performance parameters, including energy efficiency indicators. Participant to the project research activities and results dissemination.

Jul 2018 - Sep 2018 **Research grant SITdA 2018**

Grant promoted by the Italian Society of Architectural Technology and supported by ENEA

Topic: research and classification of intervention models and case studies that integrate energy retrofitting actions in Smart Districts.

Dec 2016 - Dec 2018 ArchiSTEAM – Greening the Skills of Architecture Students

Erasmus+, 24 months [2016-1-TR01-KA203-034962]

Greening the Skills of Architecture students via STEAM education. Participant to the project scientific activities and workshops in Italy/Turkey/Denmark.

TEACHING ACTIVITIES

Adjunct professor

- 1) A.Y. 2024-25 **Adjunct professor in Design Project**
- 2) A.Y. 2023-24 Course: Design Project M, Module 2 (SSD ICAR/12)
- 3) A.Y. 2022-23 Second cycle degree programme (BSs) in Engineering of Building Processes and Systems, Historic Building Rehabilitation curriculum
Alma Mater Studiorum University of Bologna, Ravenna Campus

- 4) A.Y. 2024-25 **Adjunct professor in Research on Historic Building**
- 5) A.Y. 2023-24 Course: Research on Historic Building, Module 2 (SSD ICAR/12)
- 6) A.Y. 2022-23 Second cycle degree programme (BSs) in Engineering of Building Processes and Systems, Historic Building Rehabilitation curriculum
- 7) A.Y. 2021-22 Historic Building Rehabilitation curriculum
Alma Mater Studiorum University of Bologna, Ravenna Campus

Teaching tutor

- 1) A.Y. 2022-23 **Teaching tutor in Foundation of Performance Design**
Course: Foundation of performance design, Module 1 (SSD ICAR/12)
Second cycle degree programme (MSs) in Engineering of Building Processes and Systems
Alma Mater Studiorum University of Bologna, Ravenna Campus

- 2) 25 Jul - 3 Aug 2022 **Teaching tutor for Partnering for Landscape Democracy – Intensive Programme 2022**
Erasmus+ LEAD2LEAP at Lucca
Ten-days intensive programme for adaptive reuse of dismissed cultural and religious heritage.

- 3) A.Y. 2021-22 **Teaching tutor in Design Project**
Course: Design Project M (SSD ICAR/12)
Second cycle degree programme (MSs) in Engineering of Building Processes and Systems, Historic Building Rehabilitation curriculum
Alma Mater Studiorum University of Bologna, Ravenna Campus

- 4) A.Y. 2024-2025 **Teaching tutor in Sustainable Architecture**
- 5) A.Y. 2021-22 Final studio: Sustainable Architecture (SSD ICAR/12)
Single cycle degree programme (BSs+MSs) in Architecture
Alma Mater Studiorum University of Bologna, Cesena Campus

Other teaching activities

- 1) Apr-Jul 2023 **Democratic Landscape Transformation 2023 Seminar**
Online course provided within Erasmus+ OLA project and offered to students from the University of Bologna as an elective course.
Co-responsible of Module B “Reflecting and landing on the ground” for participatory design approaches and strategies.

- 2) 24 Jul - 1 Aug 2023 **Defying the future through participatory design - Intensive Programme 2023**
University of Bologna and Fondazione Flaminia (CIFLA), Ravenna
Member of the organising committee and teaching staff for the international design workshop “Against all odds – Defying the future through participatory design”.

- 3) 10-11 May 2023 **Climate Neutral Cities 2030: Play your ace card!**

University of Bologna and NEXT BUILT, Cesena

Author and leading facilitator of the international workshop to draft vision and solutions for the future urban environment through system thinking and gamification approach.

- 4) **May-Aug 2023** **Curator of the Building Design for Climate Change's season virtual exhibit**
Design studio: Sustainability issues and targets (SSD ICAR/12)
Second cycle degree programme (MSs) in Architecture and Creative Practices for the City and the Landscape (ACPCL)
Alma Mater Studiorum University of Bologna, Bologna Campus
- 5) **3-7 Oct 2022** **Visiting teaching staff**
Erasmus+ at École nationale supérieure d'architecture de Normandie, Rouen (FR)
Lectures, critic review and conferences around Sustainability in building design, hosted within the 'Natural renewable resources, climate and architecture' chair. Conference title is "Sustainability and resilience design support tools for building renovation".
- 6) **20-23 Jun 2022** **Invited lecturer and critic reviewer**
University of Westminster, London (UK)
Lectures and critic review at the course 'Architecture and Environmental Design'. Key lecture titled "The role of end-users in boosting the transition to NZEB and positive energy buildings".
- 7) **25-29 Apr 2022** **Visiting teaching staff**
Erasmus+ at Czech Technical University in Prague (CZ)
Lectures on Coupling perceptual-aesthetic impact with environmental assessment-driven strategies in factories, at the course Building Quality Complex Assessment, and at the University Centre for Energy Efficient Buildings (UCEEB).
- 8) **May-Aug 2022** **Partnering for Landscape Democracy - Intensive Programme 2022**
Erasmus+ LEAD2LEAP at Lucca (IT)
LED2LEAP aims to prepare the future generation of landscape architects and planners for their role as democratic leaders for sustainability. Organizer of the Italian Intensive programme 2022 in Lucca on adaptive reuse of dismissed cultural and religious heritage.
- 9) **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. Participants were asked to draft an interdisciplinary academic course on sustainability-related topics.

Thesis advisor

University of Bologna, MSs in Architecture and Creative Practices for the City and Landscape, Bologna

- Woldarsky Meneses N. (2024) "Adaptive Resiliency: A designer's guidelines for future building scenarios" Supervisor: Prof. Gaspari, J.; Co-supervisor: Marchi, L.; A.A. 2022-23

- Azizikalyani S. (2024) "Flexible design for Sgarone rehabilitation in Ravenna" Supervisor: Prof. Gaspari, J.; Co-supervisor: Marchi, L.; A.A. 2022-23

University of Bologna, MSs in Architecture, Cesena

- Mengucci, G. and Abbruciati, G. (2023) "Abitare sociale ieri e domani. Progetto dell'Archivio della Casa Popolare e riqualificazione sostenibile del complesso ACER Ex-Fuochisti a Bologna, quartiere Bolognina". Supervisor: E. Antonini; Co-supervisors: Gaspari, J.; Marchi, L.; Fabbri, K.; A.A. 2021-22

- Stefanini, M. and Pataconi, L. (2023) "Positive Building Infill. Progetto di completamento di un'insula urbana nel quartiere Bolognina". Supervisor: Gaspari, J.; Co-supervisors: Antonini, E.; Marchi, L.; Fabbri, K.; A.A. 2021-22

University of Bologna, MSs in Engineering of building processes and system, Ravenna

- Amjadian, S. (2023) "Application of a GBC Italy rating system on a historical building: Assessment of the energy performance in the restoration of Casa dell'Ortolano in Ferrara, Italy". Supervisor: Antonini, E.; Co-supervisor: Marchi, L.; A.A. 2021-22

PROFESSIONAL EXPERIENCE

Non academic experience

Jan-Feb 2023

Teaching module at IFTS

Scuola Edile Artigiana Romagna di Forlì, Cesena, Rimini

Teacher in the master IFTS "Specialised professional for management of construction works: green and digital (BIM) curriculum"

Jun 2022 (ongoing)

In_bo journal editor

in_bo. Ricerche e progetti per il territorio, la città, e l'architettura (ISSN 2036 1602)

Member of the editorial board of in_bo after a call for editors. The journal is a scientific review and ANVUR classe A for the Italian research area 08 (Engineering and Architecture).

May 2022 - May 2023

New European Bauhaus Prize listed expert

REGIO NEB - European Commission

Listed expert for the evaluation of project submitted to the New European Bauhaus (NEB) Prize 2022 and 2023.

1) Jan 2024 (ongoing)

Consultancy and teaching staff for professional windows installation

2) Jan-Dec 2023

Consorzio Legno Legno, Correggio (RE)

3) Jan-Dec 2022

Consultancy role and teacher in online professionals training courses for high quality

4) Jan-Dec 2021

installation of doors and windows according to UNI 11673 - EQF 4 and UNI 10818.

Jun 2019

Teaching module at CPT

Scuola Provinciale Edile CPT, Ravenna (RA)

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).

Professional architect experience

2019-2020

Independent practice as professional architect

Brisighella (RA)

NZEB new construction private house, design and architectural works supervisor

2019

Independent practice as professional architect

Faenza (RA)

Energy retrofitting and interior design for a private house

2018-2019

Independent practice as professional architect

Modigliana (FC)

House renovation and energy retrofitting for a private house, design and architectural works supervisor

Aug 2015 - Oct 2016

Collaborator as architect and expert of green building assessment systems

A+4Studio Architetto Paolo Rava, Faenza (RA)

LEED consultant, sustainable and ecological architecture, architectural and executive design, interior design, rendering.

AWARDS

Apr 2022

Premio Italiano Architettura Sostenibile

Special mention for the research project

International prize for sustainable architecture held by University of Ferrara and supported by Fassa Bortolo. Chair of the Jury Prof. Thomas Herzog.

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
Special mention to the project
Special mention given by the Italian Society of Architectural Technology (SITdA) as Member of BANSHEE team for the multi-criteria design approach proposed for the renovation 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.

CONFERENCES

25-28 Jun 2024 PLEA Conference: (Re)thinking resilience
PLEA and Wrocław University of Science and Technology, Wrocław (PL)
Contribute title: “A Comparative Analysis of the Effectiveness of Nature-Based Stormwater Management Solutions at the Neighbourhood Scale”.

9 May 2024 The NEXT challenges in design practice TALK
University of Bologna and NEXT BUILT Observatory, Bologna (IT)
Facilitator in the roundtable with Arch. S. Ceccotto - NET Engineering; Arch. A. Botti - Open Project; Arch. P. Currà - Pier Currà Architettura.

9-10 May 2024 NEXT BUILT 2024: Int. Conf. Challenges of the Next Generation Built Environment
University of Bologna and NEXT BUILT Observatory, Bologna (IT)
Member of the Organising Committee and Session chair (session 7 New paradigms in buildings and components expected lifetime).

13-15 Sep 2023 CISBAT 2023: Built Environment in Transition
EPFL and Smart Living Lab, Lausanne (CH)
Contribute title: “Are the next-generation households ready for the energy transition? A survey on their positioning and practice with energy management tools”.

27-30 June 2023 CEES 2023: Int. Conf. Construction, Energy, Environment & Sustainability
Itecons and University of Coimbra, Funchal (PT)
Contribute title: “A comparative study of climate adaptive building shells. Design solutions and applicative case studies”.

1-2 Dec 2022 La ricerca che cambia
Terzo convegno nazionale dei dottorati italiani dell’architettura, della pianificazione, del design, delle arti e della moda. IAUV, Venice (IT)
Contribute title: “Verso un approccio olistico alla progettazione sostenibile degli insediamenti industriali”

26 July 2022 Reuse and social valorization of dismissed cultural heritage of religious communities
University of Bologna and IMT Lucca, Lucca (IT)
Contribute title: “The complex value of reuse”.

4-6 July 2022 CESB22: Central Europe towards Sustainable Building
Czech Technical University in Prague and iISBE Czech, Prague (CZ)
Contribute title: “Decision-support tool for prioritizing retrofitting actions on social housing stock in Italy”.

- 13 May 2022** **NEXT BUILT 2022: Int. Conf. Challenges of the Next Generation Built Environment**
University of Bologna and NEXT BUILT, Bologna (IT)
Member of the Organising Committee and Roundtable manager
- 16-17 Sep 2021** **SEB 2021: Sustainability in Energy and Buildings**
KES International, online edition
Contribute title: "A methodology for fast simulation of energy retrofiting scenarios of social building stock".
- 22-24 Apr 2021** **FORM 2021: XXIV Int. Scientific conference on Advance in Civil Engineering**
Moscow State University of Civil Engineering, Moscow (RU)
Contribute title: "Contribution of individual behavioural change on household carbon footprint".
- 12-13 Apr 2021** **ICEIAB 2021: Int. Conf. Environmental Impact Assessment of Buildings**
World Academy of Science, Engineering and Technology, Venezia (IT)
Contribute title: "Enhancement to Green Building Rating Systems for industrial facilities by including the assessment of impact on the landscape".
and co-chair of the Impact Assessment session.
- 23 Nov 2018** **Int. Conf. The Matter of Future Heritage**
University of Bologna, Bologna (IT)
Member of the Organising Committee
- 2-4 Oct 2018** **WIT Conference Eco-Architecture 2018.**
Wessex Institute of Technology, New Forest (UK)
Contribute title: "Landscape compatibility of factories: from practices to tactics".
- 12-14 Jun 2017** **XX Conferenza Nazionale SIU. Urbanistica e/è azione pubblica**
Società Italiana Urbanisti, Roma (IT)
Contribute title: "Verso la sostenibilità dei luoghi della produzione. Un sistema di azioni condivise per riqualificare il territorio".

LIST OF PUBLICATIONS

ORCID 0000-0002-2009-576X

- 2024** Marchi, L., Luo, Z., Gasparini, N., Antonini, E., Gaspari, J. (2024), Detecting and Understanding Barriers and Drivers to Advance Systematic Implementation of Resource Circularity in Constructions, *Buildings*, 10, 3214, pp. 1 – 22. <https://doi.org/10.3390/buildings14103214> [ANVUR Classe A 08/C1]
- Susca, T., Marchi, L., Gaspari, J., Antonini, E., Benedetti, M., (2024), Low-impact thermal insulation materials for sustainable retrofitting: potentialities and barriers from a literature review, *IOP CONFERENCE SERIES. EARTH AND ENVIRONMENTAL SCIENCE*, , 1402, pp. 1 – 16. <https://dx.doi.org/10.1088/1755-1315/1402/1/012032>
- Gaspari, J., Fabbri, K., Marchi, L. (2024) Investigating the influence of perforated façade skins on indoor illuminance level: a case study, *Architectural Engineering and Design Management*, 03-2024, pp. 1-20. <https://dx.doi.org/10.1080/17452007.2024.2322506> [ANVUR Classe A 08/C1]
- Peng, Y., Gaspari, J., and Marchi, L. (2024) Exploring Residential Energy Behaviour of the Younger Generation for Sustainable Living: A Systematic Review, *Energies*, 2024, 3043(17), pp. 1 – 19. <https://dx.doi.org/10.3390/en17123043> [ANVUR Classe A 08/C1]
- Chen, Y., Gaspari, J., Marchi, L., Antonini, E. (2024) A Comparative Analysis of the Effectiveness of Nature-Based Stormwater Management Solutions at the Neighbourhood Scale, in: *PLEA 2024: (RE)THINKING RESILIENCE The book of proceedings*, Wrocław, Wrocław University of Science and Technology Publishing House, pp. 639 – 644. ISBN 978-83-7493-275-2
- Guest Editor with Gaspari, J. and Aelenei, L. for Sustainability (MDPI) Special Issue “Optimization and Evaluation of Climate Responsive Design Solutions for Buildings and Cities: 2nd Edition” - [link](#)
- 2023** Fabbri, K., Marchi, L., Antonini, E., Gaspari, J. (2023), Exploring the Role of Building Envelope in Reducing Energy Poverty Risk: A Case Study on Italian Social Housing, *Energies*, 2023, 16, 8093, pp. 1 – 22. <https://dx.doi.org/10.3390/en16248093> [ANVUR Classe A 08/C1]
- Marchi, L., Gaspari, J. (2023) Energy Conservation at Home: A Critical Review on the Role of End-User Behavior, *Energies*, 16, 7596, pp. 1 – 22. <https://dx.doi.org/10.3390/en16227596> [ANVUR Classe A 08/C1]
- Antonini, E., Marchi, L., and Gaspari, J., (2023) Are the next-generation households ready for the energy transition? A survey on their positioning and practice with energy management tools, *Journal of Physics. Conference Series*, 2600(13), pp. 1 – 6. <https://dx.doi.org/10.1088/1742-6596/2600/13/132001>
- Marchi, L., Gaspari, J., and Fabbri, K. (2023) Outdoor Microclimate in Courtyard Buildings: Impact of Building Perimeter Configuration and Tree Density, *Buildings*, 13, 2687, pp. 1 – 28. <https://doi.org/10.3390/buildings13112687> [ANVUR Classe A 08/C1]
- Marchi, L. (2023), Verso un approccio olistico alla progettazione sostenibile degli insediamenti industriali, in Velo L. (ed), *La ricerca che cambia* (Atti del terzo convegno nazionale dei dottorati italiani dell’architettura, della pianificazione, del design, delle arti e della moda), Venezia, Bembo Officina Editoriale, pp. 932-940. ISBN: 9788831241687 <https://doi.org/10.25432/9788831241687>
- Gaspari, J., Antonini, E., and Marchi, L. (2023) Enabling technologies to support energy transition in social housing, *TECHNE*, 25, pp. 143-152. <https://doi.org/10.36253/techne-13622> [ANVUR Classe A 08/C1]
- Marchi, L., Felicioni, L., Sabatini, F., and Errante, L. (2023) Exploring Energy Literacy in Italian Social Housing: A Survey of Inhabitants Preparing the Ground for Climate Transition, *Sustainability*, 15 (11), 8544. <https://doi.org/10.3390/su15118544> [ANVUR Classe A 08/C1]
- Fabbri, K., Antonini, E., and Marchi, L. (2023) Sun-Shading Sails in Courtyards: An Italian Case Study with RayMan, *Sustainability*, 15 (17), 13033, pp. 1-15. <https://doi.org/10.3390/su151713033> [ANVUR Classe A 08/C1]

Gaspari, J., [Marchi, L.](#), and Antonini, E., (2023) A comparative study of climate adaptive building shells. Design solutions and applicative case studies, in: *CEES 2023 - International Conference on Construction, Energy, Environment and Sustainability*, Coimbra, Itecons, 2023, pp. 1-8.

2022 Gaspari, J., Antonini, E., and [Marchi, L.](#) (2022) Decision-support tool for prioritizing retrofitting actions on Social Housing stock in Italy, in: *Central Europe towards Sustainable Building 2022 (CESB22)*, Prague, Czech Technical University in Prague, Acta Polytechnica CTU Proceedings, 2022, 38, pp. 97-103.

Gaspari, J., [Marchi, L.](#), Oberosler, C., Antonini, E. (2022) Monitoring tools as energy saving enablers in social housing context, *AGATHÓN*, 12, pp. 136-145. <https://doi.org/10.19229/2464-9309/12122022> [[ANVUR Classe A 08/C1](#)]

[Marchi, L.](#) (2022) Design support tools for circularity-driven renovation projects, in: E. Antonini, J. Gaspari, *Architectures for Next Generation EU Cities. Challenges, Key Drivers, and Research Trends*, Milano, Franco Angeli, 2022, pp. 235-248.

Aelenei, L., Gaspari, J., and [Marchi, L.](#) (2022) Addressing rising energy needs of EU cities of tomorrow: positive energy districts, in: E. Antonini, J. Gaspari, *Architectures for Next Generation EU Cities. Challenges, Key Drivers, and Research Trends*, Milano, Franco Angeli, 2022, pp. 79-94.

[Marchi, L.](#) (2022) Places of production fostering sustainable development, *Abitare la Terra/Dwelling on Earth, Quaderno 7-8*, Annex to n.58, XXI, Gangemi Editor International Publishing. <https://www.gangemieditore.com/dettaglio/abitare-la-terra-dwelling/9439/18>

[Marchi, L.](#), and Antonini, E. (2022) Digital Atlas of Tactics to Designing Sustainable Factories, *Sustainability*, 14(7), 4321. <https://doi.org/10.3390/su14074321> [[ANVUR Classe A 08/C1](#)]

Fecchio, L., and [Marchi, L.](#) (2022), Quale futuro per Sant'Agostino in Vicopelago?, *Il giornale dell'Architettura*, 26 agosto 2022.

[Marchi, L.](#) (2022) *Designing Sustainable Factories. A Toolkit for the Assessment and Mitigation of Impact on the Landscape*, Advances in Global Change Research series, 72, Springer. ISBN 978-3-030-92226-9 [[Book](#)]

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.](#), and 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. <https://doi.org/10.22712/susb.20210012> [[ANVUR Classe A 08/C1](#)]

[Marchi, L.](#), Antonini, E., Politi, S. (2021) Green Building Rating Systems (GBRSs), *Encyclopedia*, 1, pp. 998-1009. <https://doi.org/10.3390/encyclopedia1040076>

Monsù Scolaro, A., [Marchi, L.](#), and Corridori, S. (2021) Mapping building cycle waste for scenarios of industrial symbiosis, *TECHNE*, 22, pp. 131-139. <https://doi.org/10.36253/techne-10581> [[ANVUR Classe A 08/C1](#)]

[Marchi, L.](#), Vodola, V., Visconti, C., Gaspari, J., and Antonini, E. (2021) Contribution of individual behavioural change on household carbon footprint, *E3S Web Conf.*, 263 (2021), 05024. <https://doi.org/10.1051/e3sconf/202126305024>

[Marchi, L.](#), and 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* 15, 4, World Academy of Science, Engineering and Technology.

Gaspari, J., Antonini, E., [Marchi, L.](#), and 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. <https://doi.org/10.3390/su13095268> [[ANVUR Classe A 08/C1](#)]

- 2020** Marchi, L. (2020) Towards the harmonization of industrial facilities with the landscape: a catalogue of good practices, *SMC - Sustainable Mediterranean Construction*, 12, pp. 156-160. [ANVUR Classe A 08/C1]
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