



LICIA FELICIONI

RESEARCH FELLOW - ARCHITECT – PhD STUDENT at CTU and UNIBO

LEED® Green Associate™

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PERSONAL DATA

Name	Licia Felicioni
Birthday	17.10.1994
Nationality	Italian
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Phone	+39 3209772109 +420 731373558
Networks	LinkedIn Google Scholar Publons

ACADEMIC POSITIONS

01/2021 - ongoing

RESEARCH SCHOLAR and PhD STUDENT

Czech Technical University (CTU)

Faculty of Civil Engineering

Prague, Czechia

[CTU Web](#)

- [RadoNORM.eu](#) - “Assessing the impact of various types of radon protective and remedial measures on the environment” managed by the Department of Building Structures at the Faculty of Civil Engineering of the Czech Technical University.
Supervisors: [Prof. Martin Jiranek, Csc.](#) and [Dr. Antonín Lupišek](#)

This work is funded by the project RadoNORM that has received funding from the European Union’s H2020 framework programme for research and innovation under grant agreement No. 900009 (2021-2024).

09/2019 - ongoing

RESEARCH SCHOLAR

University Centre for Energy Efficient Building (UCEEB) -

Czech Technical University (CTU)

Prague, Czechia

[CTU Web](#) | [UCEEB Web](#)

Researching and analyzing rating systems for the assessment of urban and buildings’ resilience.

- Currently, she collaborates in:
 - [Solar Decathlon Europe 2021](#) (SDE21) project for CTU. [Online Youtube Video](#)
 - EU’s Green Deal funded Climate Positive Circular Communities ([ARV](#)) project 2022-2025 (Grant agreement ID: 101036723)
 - Adaptation of Schools for Climate Change – Methodology for the City of Prague.
 - Collaboration in EU H2020 Project proposals.
- Research Fellow from 09/2019 to 11/2020 in the following project:
 - **European Pilot Project REEBUILD:** “Integrated Techniques for seismic Strengthening and Energy efficiency of existing buildings” financed by the EU under decision C(2019) 3874 final of 28 May 2019.
Contribute to: research, data visualizations

Supervisors: [Prof. Petr Hajek, Csc](#), and [Dr. Antonín Lupíšek](#)

- Research fellow from 03/2020 to 10/2020 in the following projects:
 - **CONAI** – “Use of artificial intelligence in the construction sector, artificial intelligence changes construction”. Analysis of AI potential in the value chain about the possibilities of a significant transformation of the construction industry using digitalization about the objectives of the Strategic Framework of the Czech Republic 2030
[Publication available in Czech](#)
Leading partner: Siemens Automation Company
Contribute to: literature researches, workshops and data visualizations
 - **Sustainable Prague 8** – Guidelines and assessment for sustainable neighborhoods supported by the Municipality. Focus on main categories such as Accessibility and Permeability, Public transportations, Social Participation, and Circular Economy.
Contribute to: literature research about sustainable rating systems for neighborhoods

03/2022 – ongoing

SECRETARY of WORKING GROUP 15 – EUROPEAN ASSOCIATION FOR EARTHQUAKE ENGINEERING (EAEE)

WG Topic: Combined seismic and environmental upgrading of existing buildings

[EAEE Web](#)

EDUCATION

July 2021

URBAN RESILIENCE INTENSIVE TRAINING

University of Southern Denmark (SDU) | Civil and Architectural Engineering

Summer School 2021 for Practitioners, Policy-makers and Researchers

Topics: Strategic and action planning for resilient urban transition, responding to the need for systemic change in tackling global challenges, specific focus on COVID-19 recovery and climate-change interplay

[Website](#) - [LinkedIn](#)

10/2020 - ongoing

PhD STUDENT

[Czech Technical University \(CTU\)](#)

Faculty of Civil Engineering – Department of Architectural Engineering

Programme Building Engineering

Prague, Czechia

[CTU Web](#)

[Co-tutelle Alma Mater Studiorum - University of Bologna \(UNIBO\)](#)

Department of Architecture

Programme FRONTIERS: Future Earth, Climate Change and Societal Challenges

Bologna, Italy

[UNIBO Web](#)

Thesis Dissertation: “Balancing sustainability and resilience in buildings: a resilience module for an existing sustainable rating system.”

Supervisors: [Dr. Antonín Lupíšek \(CTU\)](#) and [Dr. Jacopo Gaspari \(UNIBO\)](#)

09/2019

PROFESSIONAL QUALIFICATION AS AN ARCHITECT

University of Bologna, Italy | 1st Session 2019

09/2013 – 03/2019

DEGREE IN ARCHITECTURE (BA+MA) (5-YEARS CYCLE)

University of Bologna (UNIBO)

[Department of Architecture](#)

Cesena, FC - Italy

110/110 with mention - 29/03/19

Master's thesis title: Redesign Strategies for Regeneration of the Red Hook Neighborhood in New York City

keywords: retrofit, affordability, energetic simulations, LEED, resilience

Avg vote university exams 29.47/30

Supervisor: [Jacopo Gaspari](#) (UNIBO) | Co-Supervisors: [Karen Kubey](#) (Pratt University), [Luca Baraldo](#) (COOKFOX Architects), [Matthew Charney](#) (NYCHA)

PUBLICATIONS

- 2022 **Felicioni, L.**, Gaspari, J, and Lupíšek, A.
Sustainability and Resilience of Buildings: Understanding Synergies and Common Clusters, *Architectural Science Review* (Full paper under review – ID: ASRE-2022-0085) [Scientific article]
-
- 2022 **Felicioni, L.**, Jiranek, M., and Lupíšek, A.
Environmental impacts of waterproof membranes with respect to their radon resistance, *Sustainable Materials and Technologies* (Full paper under review – ID: SUSMAT-D-22-00469) [Scientific article]
-
- 2022 Růžička, J., Sýkorová, M., Pomyjová, E., Tencar, J., **Felicioni, L.**, Lupíšek, A., Volf, M.
Methodology for adaptation of school buildings to climate change in Prague. Capital City of Prague [Report]
-
- 2022 Menna, C., **Felicioni, L.**, Negro, P., Lupíšek, A., Romano, E., Prota, A., and Hájek, P.
Review of methods for the combined assessment of seismic resilience and energy efficiency towards sustainable retrofitting of the existing European. *Sustainable Cities and Society* **77**(14):103556. DOI: 10.1016/j.scs.2021.103556 [Scientific article]
-
- 2022 **Felicioni, L.**, Negro, P., Ademovic, N., Romano, E., Marini, A., Belleri, A., Pinho, R., Caruso, M., Pitolakis, K., Pitolakis, D., Menna, C., Prota, A., Hájek, P., Passoni, C.
Combined seismic and environmental upgrading of existing buildings: the programme of the EAEE Working Group, in: Proceedings of the 3rd European Conference on Earthquake Engineering and Seismology - 3ECEES: September 5-9, 2022, Bucharest, Romania, Bucharest, Editura Congress, 2022, pp. 1 – 5315 [Conference Proceedings]
-
- 2022 SBToolCZ new version: analysis of the updated environmental parameters. (Trubina, N. **Felicioni, L.**, Lupíšek, A., and Volf, M.). *Young Scientist Conference (YS 2022) | Slovak Paradise, Slovakia – June 26th-29th, 2022. (Under publishing in the Conference Proceeding - Manuscript ID: 1149)* [Conference Proceedings]
-
- 2022 Sustainability assessment of waterproof membranes for radon mitigation in buildings. (*Felicioni, L.*, Lupíšek, A., and Jiranek, M.). *SBE Conference (SBE 2022) | Delft, Netherlands – October 11th-13th, 2022. (Accepted for the SBE22 Conference – Manuscript ID: 92)* [Conference Proceedings]
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- 2022 Sustainability and Resilience in Building Design: Discussion on Two Case Studies. (**Felicioni, L.** and Lupíšek, A.). *Central Europe towards Sustainable Building 2022 | Prague, Czechia – July 4th-6th, 2022. (Under publishing in the Conference Proceeding - Manuscript ID: 1327)* [Conference Proceedings]
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- 2022 How Municipalities Should Approach the Transformation of Public Space. (Mala, M., Sykorova, M, and **Felicioni, L.**). *Central Europe towards Sustainable Building 2022 | Prague, Czechia – July 4th-6th, 2022. (Under publishing in the Conference Proceeding - Manuscript ID: 1354)* [Conference Proceedings]
-
- 2021 Energy-efficient and climate-responsive built environment towards reaching the SDGs: an overview of the EU H2020 projects (**Felicioni, L.** and Lupíšek, A.). *2021 International Conference on Green Building (ICoGB 2021) | Oslo, Norway – September 3th-5th, 2021. (Under publishing in the Conference Proceeding – Manuscript ID: GC004)* [Conference Proceedings]
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2021	Felicioni, L. Designing Nature-based Solutions for green and blue infrastructures for reaching the SDGs <i>Regional Development between Theory and Practice (in Czech - Regionální rozvoj mezi teorií a praxí)</i> 2021 , (2), 61-74. [Report]
2020	Fabbri, K., Gaspari, J. and Felicioni, L. <i>Climate change effect on building performance: a case study in New York</i> , <i>Energies</i> 2020 , 13(12), 3160. DOI: 10.3390/en13123160 [Scientific article]
2020	Felicioni, L. , Lupíšek, A. and Hájek, P. <i>Major European Stressors and Potential of Available Tools for Assessment of Urban and Buildings Resilience</i> . <i>Sustainability</i> 2020 , 12, 7554. DOI: 10.3390/su12187554 [Scientific article]

INTERNATIONAL CONFERENCES

11-13 October 2022 (coming)	SBE22 Innovations for the Urban Energy Transition: Preparing for the European Renovation Wave SBE Conference - Delft (NL) Contribute title: Sustainability assessment of waterproof membranes for radon mitigation in buildings.
4-9 September 2022	3ECEES 3rd European Conference on Earthquake Engineering and Seismology - Bucharest (RO) Contribute title: Combined seismic and environmental upgrading of existing buildings: the programme of the EAEE Working Group.
4-6 July 2022	CESB22 Central Europe towards Sustainable Building 2022 - Prague (CZ) Contribute 1 title: Sustainability and Resilience In Building Design: Discussion On Two Case Studies. Contribute 2 title: How Municipalities Should Approach the Transformation of Public Space Member of the Organizing Committee
13 May 2022	NEXT BUILT 2022 International Conference on Challenges for the NEXT generation BUILT environment – Bologna (IT) Member of the Organizing Committee
3-5 September 2021	ICoGB 2021 2021 International Conference on Green Building – Norway (NO) [online] Contribute title: Energy-efficient and climate-responsive built environment towards reaching the SDGs: an overview of the EU H2020 projects Winner of the Best Student Paper
16-17 September 2021	SEB-21 International Conference on Sustainability in Energy and Buildings SEB-21 [online] Contribute title: Embodied energy and global warming potential of radon preventive measures applied in new family houses

PROFESSIONAL EXPERIENCES

04/2022 - ongoing	MEMBER OF EAEE 15th Working Group WG Topic: Combined seismic and environmental upgrading of existing buildings EAEE Web
05/2022 - ongoing	MEMBER OF CWA TRAIN4SUSTAIN Focus Group

The CEN Working Agreement TRAIN4SUSTAIN will be a "Competence Quality Standard" in sustainable building providing the Learning Outcomes, expressed in terms of knowledge and skills, necessary to achieve recommended competence's levels.

- 05-06/2022 **MEMBER OF THE ORGANIZING COMMITTEE of CESB22**
International Conference on Central Europe towards Sustainable Buildings ([CESB22](#))
Czech Technical University in Prague, Prague (CZ) – July 4-6, 2022
- 05/2022 **VISITING RESEARCHER AT CSTB**
Centre Scientifique et Technique du Bâtiment ([CSTB](#))
Grenoble (FR) – under the EU RadoNORM project
Study on ventilation systems, radon concentration, and consequent environmental impacts (LCA assessment)
- 2021/2022 **TUTOR FOR A BACHELOR'S COURSE (Building quality complex assessment)**
Czech Technical University in Prague ([124BQCA](#))
Prof. Antonin Lupisek
- 10/2021 - ongoing **MEMBER OF TRACE TEAM**
Technology and Resilience in Architecture, Construction and Environment team
Research team of the Department of Architecture (UNIBO) operating on the transition of the built environment towards a low carbon and more sustainable society
- 12/2021 - ongoing **MEMBER OF THE ORGANIZING COMMITTEE of NEXTBUILT**
International Conference on Challenges for the Next generation Built Environment ([NEXTBUILT22](#))
Palazzo d'Accursio, Bologna (IT) – May 13, 2022
- 05/2022 – 09/2022 **PARTECIPATION IN SITdA CONTEST**
Società Italiana della tecnologia dell'Architettura (SITdA)
"Un Selfie dei Territori" Contest – E-Story Channel Team
Strategies and methods to address the PNRR (Piano Nazionale di Ripresa e Resilienza)
- 04/2021 **EU RADORNORM PhD/ECR Day**
EU RadoNorm project and Czech Technical University in Prague | Online Event
Presentation of WP5 task: *Assessing the impact of various types of radon protective and remedial measures on the environment.*
[Online Youtube Presentation](#)
- 03/2019 – 06/2020 **RESEARCH FELLOW**
ANCSA – Ferrara Municipality
Ferrara, Italy
[ANCSA Web](#)
- Research and analyzing the city centre (environmental and infrastructural systems) to identify strategies for improving resilience for cultural heritage.*
- [EU ProteCHt2save](#) - "Risk assessment and sustainable protection of cultural heritage in changing environment", financed by Central Europe programme 2013-2020.
Contribute to: researches, data visualization, maps, reports.
- Publication: "Centri Storici e Adattamento ai Cambiamenti Climatici. Linee Guida dal caso studio di Ferrara." (ANCSA Documenti 2020)
- 10/2019 **EXHIBITION "IMMAGINARE RIMINI - PROGETTI PER LA CITTÀ"**
Museo della Città – Rimini, Italy
Projects for XXV April park
- 2018/2019 **FREELANCE**
Cooperation with different architectural firms
3D Model realizations, visualizations, rendering

- 09/2018 **RESEARCH PERIOD WITH NYCHA**
New York City Housing Authority
New York City, United States
- 03/2018 – 07/2018 **PARTICIPATION TO THE FABRICATION LONDON RESEARCH PROGRAM OF UNIVERSITY OF WESTMINSTER**
Faculty of architecture and the built environment – University of Westminster - London, UK
International fabrication competition and public festival to design pavilions and installations with recycling materials and lightweight structures.
Contribute to: design development, modelling prototyping and construction phases
- 06/2017-09/2017 **TRAINEE (UNDER THE ERASMUS + PROGRAM)**
AL Architekt | 450 HOURS
Wien, Austria
Project development, Sustainable architecture, PassivHaus, 3D modelling, meetings with clients
- 05/2017 – 06/2017 **EU PROJECT ROCK:**
WORKSHOP “PIAZZA MALERBE” - PIAZZA SCARAVILLI
University of Bologna – Bologna, Italy | 05/2017-06/2017
Realization of a green installation that transforming a parking space into an urban garden (Grant Agreement ID: 730280)
Contribute to: design development, modelling prototyping, renderings and construction phases
- 06/2016-09/2016 **TRAINEE**
Co-Design Studio
Misano Adriatico, Italy
Project development, 3D modelling, renderings
- 02/2016 **RHINOCEROS & CINEMA 4D CERTIFIED COURSE**
Samilo Lab – Cesena, FC, Italy
40 hours of lesson certified by McNell & Associates

AWARDS

- 01/2022 **TRAVEL GRANT for a research period funded by the EU RadoNORM project**
Visit to the CSTB – Grenoble (FR)
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- 09/2021 **BEST STUDENT PAPER for the ICoGB21 sponsored by Energies MDPI**
International Conference on Green Buildings (ICoGB21) – Oslo (Norway) [online]
Paper: Energy efficient and climate responsive buildings towards reaching the SDGs: an overview of the EU H2020 projects. Authors: Felicioni, L., Lupišek, A.
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- 01/2021 **PhD POSITION in the framework of EU RADONORM PROJECT**
Czech Technical University in Prague – Prague (CZ)
WP5 task: Assessing the impact of various types of radon protective and remedial measures on the environment
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- 09/2019 **SCHOLARSHIP for a RESEARCH PERIOD ABROAD (6-months)**
University of Bologna – Cesena (FC), Italy
Research period in Prague, Czech Republic – Czech Technical University in Prague (CTU)
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- 09/2018 **SCHOLARSHIP for BEST STUDENTS that did an ERASMUS + in 2017**
University of Bologna – Cesena (FC), Italy
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- 07/2018 **1st PRIZE FABFEST LONDON - VICE CHANCELLOR PRIZE**
The University of Westminster – London, UK
Participation with the Department of Architecture Team UNIBO for the realization of a cardboard pavilion. Theme: Digital City

06/2017 **ERASMUS + PLACEMENT SCHOLARSHIP**
University of Bologna – Cesena, Italy
Internship in Wien, Austria – AL Architekt

WORKSHOPS and COURSES

11/2020 **WORKSHOP “INTEGRATED TECHNIQUES FOR THE SEISMIC STRENGTHENING AND ENERGY EFFICIENCY OF EXISTING BUILDINGS”**
JCR EUROPE
Presentation of the work made for the EU project – “Methodologies for assessing the combined effect of upgrading.”

06/2020 **CESBE1X: CIRCULAR ECONOMY FOR A SUSTAINABLE BUILT ENVIRONMENT**
Edx Course | Delft University of Technology, Netherlands
[Credential ID](#)

09/2019 **TRAINING ADDRESSED FOR LEED® CERTIFICATION**
Bologna, Italy | Green Building Council Italia

09/2019 **WORKSHOP “LEGO ARCHITECTURE”**
Faculty of Civil Engineering | CTU - PRAGUE
Lego Architecture Workshop & Inspirelli Awards Ceremony

12/2018 **WORKSHOP “HERITAGE & SUSTAINABILITY”**
GBC Italy – Ferrara, Italy
Innovative energy, environmental tools for sustainable energy governance inbuilt cultural heritage

01/2018 **REVIT COURSE**
University of Bologna, Cesena, Italy | 40 hours

MEMBERSHIPS and TITLES

08/2022 – ongoing **ONECLICK LCA TRAINEE**
One Click LCA - ID Credential plvbqud8cb
[Credential Web](#)

2022 – on going **MEMBERSHIP**
International Initiative for a Sustainable Built Environment (iiSBE member)

04/2022 **EVALUATOR (1)**
[Programme SASPRO 2](#) - Programme of the Slovak Academy of Sciences, Comenius University in Bratislava and Slovak University of Technology in Bratislava

2021 – on going **REVIEWER (2)**
Environmental Impact Assessment Review [Elsevier]

2021 – on going **REVIEWER (2)**
Sustainable Cities and Society [Elsevier]

2020 – on going **LEED® GREEN ASSOCIATE™**
U.S.Green Building Council - ID Credential 11347513
[Credential Web](#)

2019 – on going **MEMBERSHIP**
Associazione Nazionale Centri Storici Artistici (ANCSA)
(National Association of Historic-Artistic Heritage)

2015 – on going **VOLONTEER**
UNICEF ITALIA – ID Credential 6476 - Rimini, Italy

LANGUAGES

Italian	Native speaker
English	C1
French	A2+
German	A1+
Czech	A1

DIGITAL SKILLS

Excellent Knowledge:	AUTODESK AUTOCAD ADOBE CREATIVE CLOUD (Photoshop, Illustrator, InDesign - Premiere Pro) MICROSOFT OFFICE PACKAGE (Word, Excel, PowerPoint)
Very Good Knowledge	IES.VE - THERMOLOG – ENVIMET – SIMAPRO – ONECLICK LCA - RHINOCEROS - CINEMA 4D - 3D STUDIO MAX – WORDPRESS

