

Elisabetta Maria Venco _ *Ph.D., MSc, Eng/Archit*
Assistant Professor in Urban Planning
Civil Engineering/Architecture

Base information

Born: 15th August 1987, Voghera (Pavia) Italy
Living: Pavia (Italy)
Work place: c/o DICAr, via Ferrata 3, Pavia
Phone number: 0382 985409 / 331 7599949
Mail address: elisabettamaria.venco@unipv.it

Instruction and training

- 2019** January 2019 _ Professional license in Architecture.
- 2016** PhD in Building Engineering/Architecture, XXIX cycle, University of Pavia, Italy (Thesis defence: 13th December 2016). Thesis title: "La pianificazione preventiva per la riduzione del rischio: definizione di scenari preventivi nel contesto della città flessibile e resiliente" ("Advanced urban planning to reduce disaster risks: definition of urban scenarios in flexible and resilient city context"), advisor Prof. R. De Lotto.
- 2016** Since AY 2016/2017 "Cultore della Materia" in Urban Planning (08/F1, SSD ICAR20)
- 2014** November 2014 _ Professional license in Engineering.
- 2012** 2006 - 2012 _ Master Degree in Building Engineering and Architecture, University of Pavia, Italy. Thesis title: "Riqualificazione urbana e processi innovativi di valutazione: sperimentazione a Cremona" ("Urban renewal and innovative processes of evaluation: test in Cremona, Italy"), advisor Prof. R. De Lotto.
- 2009 – 2011** 2009 – 2011 _ Student with merit-based scholarship at Almo Collegio Borromeo, Pavia, Italy.
- 2006** 2001 – 2006 _ Senior High School student specializing in math, physics and science. Liceo Scientifico G. Galilei, Voghera (Pavia), Italy.

Scientific Profile

Assistant Professor in Urban Planning (RTDa – SSD 08/F1 – ICAR/20)
DICAr – Department of Civil Engineering and Architecture, University of Pavia

Responsible for External Communication of Building Engineering and Architecture, University of Pavia

Scientific Activities

- 2020** Partner of a European research project HORIZON H2020-LC-SC3-2018-2019-2020 "REnergetic: Community-empowered Sustainable Multi-Vector Energy Islands" (Project ID 957845) Grant obtained.
- 2020** Developed the submission of a European research project HORIZON LC-CLA-16-2020_H2020 "D-SIDE: Dynamic toolS for Integrated Disaster risk managEment in resilient societies"

- 2019** Partner of a research project of Regione Lombardia – HUB Ricerca e Innovazione “CE4WE (Circular Economy for Water and Energy)” in collaboration with Centro Interdipartimentale di Ricerca sulle Acque. (ID: 1139857) Grant obtained.
- 2019** Developed the submission of a European research project HORIZON 2020-SC5-2019-2 “KalíPoli - Health and Wellbeing in the socio-technological urban ecosystem of the future”
- 2019** Developed the submission of a European research project HORIZON DT-SPACE-01-EO-2018-2020 “NO-DRI - Policy Instruments and marketability of cOpernicus-based downstreaming services for DRought Impact mitigation”
- 2017** Developed the submission of a European research project HORIZON 2020, 2017 - “NBS UrbanNet-reNATuring URBan Areas for participatory health and social cohesion”.
- 2015** Developed the submission of a national research project PRIN 2015 – “Le dimensioni della flessibilità nella città contemporanea e futura” “Flexible aspects in contemporary and future city”
- Since 2015** Reviewer for “International Multi-Conference on Complexity, Informatics and Cybernetics” (IMCIC) fostered by “The International Institute of Informatics and Systemics” (IIS)
- Since 2015** Member of Regional Studies Association (MeRSA) <http://www.regionalstudies.org/>
- Since 2014** Reviewer for many international Journals: Journal of Urban Planning and Development, JUPD (ASCE Library) ISSN (print): 0733-9488 | ISSN (online): 1943-5444; Sustainability - Open Access Journal (ISSN 2071-1050) MDPI Scopus; International Journal of Environmental Research and Public Health (ISSN 1660-4601) MDPI Scopus; Urban Science - Open Access Journal (ISSN 2413-8851) MDPI
- 2012** October 2012 on going _ Member of Urban Project Laboratory – UPlab (coordinator Prof. Roberto De Lotto), in the Department of Civil Engineering and Architecture – DICAr, University of Pavia. <http://uplab.unipv.it/>

Publications (since 2013)

Publications on international journals

- 2014**
1. Cattaneo T., De Lotto R., Morelli di Popolo C., Morettini S., Sturla S., Venco E.M. (2014) Rural Architectural Intensification: a multidisciplinary planning tool. *TeMA Journal of Land Use, Mobility and Environment*. Atti dell’VIII International Conference INPUT 2014 - Innovation in Urban and Regional Planning
- 2016**
2. Cattaneo T., De Lotto R., Venco E.M. (2016) Functional Reuse and Intensification of Rural-Urban Context: Rural Architectural Urbanism, *International Journal of Agricultural and Environmental Information Systems* 7(1):1-27 ISSN 1947-3192
 3. De Lotto R., Gazzola V., Morelli di Popolo C., Venco E.M. (2016) From resilience to flexibility: urban scenario to reduce hazard. *International Journal of Sustainable Development and Planning. Int. J. Sus. Dev. Plann.* Vol. 12, No. 4 (2017) 789–799 ISSN 1743-7601
- 2017**
4. Cattaneo T., De Lotto R. Giorgi E., Venco E.M. (2017) Coherences and Differences among EU, US and PRC Approaches for Rural Urban Development: Interscalar and Interdisciplinary Analysis. *Sustainability* 2017, 9, 537 ISSN 2071-1050 <http://www.mdpi.com/2071-1050/9/4/537/pdf> - Classe A

Publications on national journals

- 2013**
5. De Lotto, R. Venco, E.M., (2013) Efficacia e attuabilità di indici ecologico-ambientali nella pratica urbanistica. XXVIII Conferenza Nazionale INU. Urbanistica Dossier online “Il governo della città nella contemporaneità. La città come motore di sviluppo” Tema 1 – la rigenerazione urbana come resilienza, pag. 75-77 ISBN 978-88-7603-094-9
- 2014**

6. De Lotto R., Malinverni S., Venco E.M. (2014) Strategie urbanistiche di prevenzione sismica, *Urbanistica Informazioni* 257. Atti della VIII Giornata di Studi INU (Istituto Nazionale di Urbanistica), V sessione: Politiche per la sicurezza, pp.21-24. ISSN 0392-5005
7. Venco E. (2014) Planning Tool per il contesto Rurban, *Urbanistica Informazioni* 257. Atti della VIII Giornata di Studi INU, XI sessione: Specificità per le città del nord, pp.39-42. ISSN 0392-5005
- 2015**
 8. De Lotto R., Morelli di Popolo C., Sturla S., Venco E.M. (2015) I City Campus. Territorio 73/2015, pp.100-106 ISSN 1825-86897 – Classe A
 9. Venco E.M. (2015) La Città universitaria come opportunità di sviluppo urbano. *Urbanistica Informazioni* 263, Special Issue. Atti della IX Giornata di Studi INU, II sessione: Rigenerazione urbana, pp.211-214. ISSN 0392-5005
- 2017**
 10. Trapolari M., Venco E.M. (2017) Formazione e Informazione: il ruolo nella percezione del rischio. *Ambiente & Sicurezza sul Lavoro* 3/2017, pp.70-77 ISSN 0393-7054
 11. Venco E. (2017) Nature-Based Solution to improve urban flexibility and resilience. X Giornata Studio INU. Special Session: Nature-Based Solutions: new EU topic to renature cities. Napoli, Italy. *Urbanistica Informazioni* 272/2017, pp.796-800. ISSN 0392-5005
- 2018**
 12. Corsico M., Venco E.M. (2018) La resilienza dell'Arco Latino: analisi cinestetica della relazione porto-città. *LaborEst* n. 16/2018. doi: 10.19254/LaborEst.16.03. pp.15-19 ISSN online 2421-3187

Monograph

- 2017**
 13. Venco E.M. (2017) La pianificazione preventiva per la riduzione del rischio: definizione di scenari preventivi nel contesto della città flessibile e resiliente. Maggioli Editore, ISBN 978-88-916-2492-5

Publications on Conference proceedings

- 2013**
 14. De Lotto R., Morelli di Popolo C., Morettini, S. Venco, E.M. (2013) La valutazione di scenari flessibili per la riduzione del rischio naturale, XVI Conferenza SIU (Società Italiana Urbanisti) *Rivista Planum. The Journal of Urbanism*, n.° 27, vol.2/2013
- 2014**
 15. De Lotto R., Morelli di Popolo C., Morettini S., Sturla S., Venco E.M. (2014) Pavia città universitaria: il patrimonio di idee di De Carlo nello sviluppo urbano, Atti della XXXV Conferenza Italiana di Scienze Regionali, AISRE (abstract disponibile http://www.grupposervizioambiente.it/aisre_sito/minisito/allegati_file/VolumeAbstract2014.pdf pp.201).
 16. De Lotto R., Morelli di Popolo C., Morettini S., Sturla S., Venco E.M., (2014) Sicurezza e prevenzione: scenari pianificatori per la riduzione del rischio sismico, *Planum. The Journal of Urbanism* 29, vol.2/2014, Atti della XVI Conference of SIU (Società Italiana Urbanisti), pp.1677-1685.
 17. De Lotto R., Morelli di Popolo C., Venco E.M., (2014) The role of urban features in ethero-organization of public spaces. Atti dell'International Conference on art, architecture and urban design - PPF Past Present and Future of public space (paper presentato alla Conferenza).
- 2015**
 18. De Lotto R., Morelli di Popolo C., Venco E.M. (2015) Cultural Heritage in Urban development, Atti della 3rd International Conference on Documentation, Conservation and Restoration of the Architectural Heritage and Landscape Protection, Universitat Politècnica de Valencia Editorial, pp.2074-2081.
 19. De Lotto R., Esopi G., Malinverni S., Venco E.M. (2015) Flessibilità nei sistemi complessi: la città e le reti infrastrutturali. Atti della XVIII Conferenza 2015 SIU, Atelier 8, *Planum Publisher*, pp.1822-1830

20. Cattaneo T., De Lotto R., Venco E.M. (2015) Nuovi approcci metodologici per il contesto Rurban: RAU (Rural Architectural Urbanism). Atti della XXIII Conferenza 2015 Vivere e camminare in città. Il rapporto città-campagna. Nuovi paradigmi (in press)
21. De Lotto R., Gazzola V., Morelli di Popolo C., Venco, E.M. (2015) Beni Culturali e contesto: metodo parametrico per l'analisi e la valorizzazione. XXXVI Conferenza Italiana di Scienze Regionali, AISRE

2016

22. Venco E.M. (2016) L'Esposizione nell'analisi del rischio in ambito pianificatorio. Atti della XIX Conferenza Nazionale SIU. Cambiamenti. Responsabilità e strumenti per l'urbanistica al servizio del paese. Catania 16-18 giugno 2016, *Planum Publisher*, Roma-Milano 2017, pp. 641-648. ISBN 9788899237080
23. De Lotto R., Gazzola V., Morelli di Popolo C., Venco E.M. (2016) Flexible Approach for Resilient Urban System. EURA Conference. City lights - Cities and citizens within/beyond/notwithstanding the crisis. (Paper presentato e abstract consultabile sul sito https://www.confcool.pro/eur2016/index.php?page=browseSessions&form_session=56)
24. De Lotto R., Gazzola V., Morelli di Popolo C., Venco E.M. (2016) Reducing natural risk: regional and urban strategies for resilient planning. Atti della Regional Studies Associations Annual Conference - RSA (Paper consultabile sul sito www.regionalstudies.org/uploads/Elisabetta_Venco_-_Reducing_natural_risk_regional_and_urban_strategies_for_resilient_planning.pdf).
25. De Lotto R., Gazzola V., Morelli di Popolo C., Venco E.M. (2016) A parametric method to analyze and enhance the cultural heritage and its context. In: 9th International Conference on Innovation in Urban and Regional Planning e-àgorà/e-àγορά for the transition toward resilient communities INPUT pp. 538-544, ISBN: 978-88-9052-964-1, Torino, 14-15 settembre 2016
26. Venco E.M. (2016) Interazione tra strategie pianificatorie, tattiche e percezione del rischio per la riduzione dell'esposizione urbana. Atti del Convegno Internazionale "Un nuovo ciclo della pianificazione urbanistica tra tattica e strategia" Milano, La Triennale, 11 Novembre, 2016, UrbanPromo, XIII Edizione Progetto Paese. *Planum Publisher*, Sezione 4, pp.208-212. ISBN 9788899237059

2017

27. De Lotto R., Esopi G., Venco E.M. (2017) Urban modifications and infrastructural system: a research to ease integrated and flexible approaches. XXIII International Conference "Living and Walking in Cities: Town and Infrastructure Planning for Safety and Urban Quality", 15 - 16 June 2017, Brescia. (In press)
28. Venco E. (2017) Advanced Urban Planning Strategies to reduce natural disaster risks: functional changes in Italian historical city centers. World Engineering Forum WEF 2017, Rome. Abstract accettato.

2018

29. De Lotto R., Gazzola V., Venco E.M. (2018) Exposure and Risk reduction strategy: the role of Functional Change. Margani G. et al (eds.) Proceedings of the International Conference on Seismic and Energy Renovation for Sustainable Cities (SER4SC 2018), Catania, Italy. EdicomEdizioni pp.319-330 ISBN 978-88-96386-56-9
30. Corsico M., Venco E.M. (2018) Arco Latino: a model of European resilience. 3rd edition of the International Symposium "New Metropolitan Perspectives" NMP2018, ISTH 2018. Reggio Calabria, Italy. Springer. Paper accettato.

2019

31. De Lotto R., Pietra C., Venco E.M. (2019) Criteri di valutazione di efficacia della pianificazione preventiva. Dalla teoria ai casi studio. Paper presentato alla XXII Conferenza SIU 2019
32. De Lotto R., Pietra C., Venco E.M. (2019) Impatto sui modelli abitativi di strutture di scala nazionale: il caso del centro multifunzionale Westfield a Segrate. Paper presentato alla XXII Conferenza SIU 2019
33. De Lotto R., Pietra C., Venco E.M. (2019) Open source data and tools for Disaster Risk Management: definition of Urban Exposure Index. Paper presentato alla XXIV International Conference "Living and Walking in Cities"

2020

34. De Lotto R., Pietra C., Venco E.M. (2020) A new Lombardy Region Law: regeneration toward (almost) free planning. 4th International Symposium "NEW METROPOLITAN PERSPECTIVES" 2020. In: Knowledge Dynamics, Innovation-driven Policies Towards the Territories' Attractiveness Volume 1. Bevilacqua, Carmelina, Calabrò, Francesco, Della Spina, Lucia (Eds.) vol.177 ISSN 2190-3018

Chapter in volume

2013

35. Sturla S., Venco E.M. (2013) "Qualità ambientale nel progetto urbano: strumenti applicativi" In: De Lotto R., Di Tolle M.L. (Eds.) *Elementi di Progettazione Urbanistica. Rigenerazione urbana della città contemporanea*, Maggioli Editore, pp.131-153. ISBN 9788838762864

2014

36. De Lotto R., Venco E.M. (2014) "From planning to design. Methodology and applications for R.A.I." In: Cattaneo T., De Lotto R. (Eds) *Rural-Urbanism Architecture. Design strategies for small towns development*, Alinea Editore, pp.85-109. ISBN 9788860558398
37. Cattaneo T., De Lotto R., Morettini S., Sturla S., Venco E.M. (2014) Planning support tool for rural architectural intensification. Computational Science and Its Applications ICCSA 2014 – IX International Conference on Geographical Analysis, Urban Modeling, Spatial Statistics, GEO-AND-MOD 14, Proceedings part IV, Springer, pp.344-355

2015

38. Cattaneo T., De Lotto R., Venco E.M. (2015) "Methodology and applications for Rurban Sustainable Development". In: Mastorakis N.E., Corbi O., Corbi I. (Eds.) *Advances in Environmental and Agricultural Science*, Proceedings of the 4th International Conference on Energy System, Environment, Entrepreneurship and Innovation (ICESEEI'15), Dubai, WSEAS Press, pp.111-120 ISSN: 2227-4359 ISBN: 978-1-61804-270-5
39. Casella V., De Lotto R., Franzini M., Gazzola V., Morelli di Popolo C., Sturla S., Venco E.M. (2015) Estimating the Biotope Area Factor (BAF) by Means of Existing Digital Maps and GIS Technology. *Computational Science and Its Applications - ICCSA 2015*, 15th International Conference, Banff, AB, Canada, GEO-AND-MOD 15 Proceedings Part III, pp.617-632

2016

40. De Lotto R., Gazzola V., Gossenbergh S., Morelli di Popolo C., Venco E.M. (2016) Proposal to reduce natural risks: Analytic Network Process to evaluate efficiency of city planning strategies. Atti della 11th International Conference on Geographical Analysis, Urban Modeling, Spatial Statistics, GEO-AND-MOD 16, Beijing, China. Proceedings, Part IV Editors: Gervasi, O., Murgante, B., Misra, S., Rocha, A.M.A.C., Torre, C.M., Taniar, D., Apduhan, B.O., Stankova, E., Wang, S. (Eds.) pp.650-664 LNCS 9786-9790, ISBN: 978-3-319-42092-9, doi: 10.1007/978-3-319-42092-9
41. De Lotto R., Esopi G., Gazzola V., Morelli di Popolo C., Sturla S., Venco E.M. (2016) Connections inside urban context to cultural heritage enhancement. In: Parrinello S., Besana D. (Eds.) (2016) *ReUSO 2016, Contributi per la documentazione, conservazione e recupero del patrimonio architettonico e per la tutela paesaggistica*, Edizioni Firenze, Firenze, pp.1418-1428 ISBN: 978-88-7970-816-6.
42. De Lotto R., Esopi G., Gazzola V., Morelli di Popolo C., Sturla S., Venco E.M. (2016) Metodo di intervento per la rigenerazione degli spazi aperti in contesti storici. In: Parrinello S., Besana D. (Eds.) (2016) *ReUSO 2016, Contributi per la documentazione, conservazione e recupero del patrimonio architettonico e per la tutela paesaggistica*, Edizioni Firenze, Firenze, pp.1286-1291 ISBN: 978-88-7970-816-6.
43. De Lotto R., Esopi G., Gazzola V., Morelli di Popolo C., Sturla S., Venco E.M. (2016) UPlab – Urban Project Laboratory. In Parrinello S. (Ed.) (2016) *Applied research for architecture and cultural heritage. Experience carried out in experimental research laboratories of DICAr*. Edizioni Firenze, Firenze, pp.141-161 ISBN 9788879708159

2019

44. De Lotto R., Pietra C., Venco E.M. (2019) Risk analysis: a focus on Urban Exposure estimation. In: Misra S., Gervasi O., Murgante B., et al. (Eds.) *Computational Science and Its Applications –*

- ICCSA 2019 19th International Conference Saint Petersburg, Russia, July 1–4, 2019 Proceedings, Part II. Lecture Notes in Computer Science, Springer ISSN 0302-9743 - ISBN 978-3-030-24295-4
45. Pietra C., Venco E.M. (2019) Urban Regeneration for Smart Communities. Applying methods for megalopolis and towns in China. In Gargiulo C., Zoppi C. (Eds.) "Planning, nature and ecosystem services" Smart City, Urban Planning for a Sustainable Future, 5. pp. 605-618. Napoli, FedOAPress ISBN 978-88-6887-054-6
 46. Venco E.M. (2019) Advanced planning and urban regeneration. In Pietra C. (eds.) Urban Regeneration and Industrial Conservation: Heritage for Smart Communities in China. Maggioli Editore. ISBN 978-88-916-3238-8.

Abstract and paper just accepted

2020

47. De Lotto R., Pietra C., Venco E.M. (2020) Territorial Attraction for New Industrial-Productive Plants. The Case of Pavia Province. ICCSA 2020. (Paper accepted)
48. Allegrini A., De Lotto R., Pietra C., Venco E.M. (2020) La nuova Legge lombarda sulla Rigenerazione Urbana: opportunità e limiti per le tecniche pianificatorie nel caso di Pavia. SIU – Società Italiana degli Urbanisti 2020. (Abstract accepted)
49. De Lotto R., Pietra C., Venco E.M. (2020) Advanced planning for urban landscape enhancement. UNISCAPE – Landscape at Risks. (Paper accepted)
50. De Lotto R., Pietra C., Venco E.M. (2020) Parametri e criteri per la città sana: stato dell'arte. "La città e la cura. Spazi, istituzioni, strategie, memoria" AISU 2020 (abstract accepted)
51. De Lotto R., Pietra C., Venco E.M. (2020). 11th International Conference on Innovation in Urban and Regional Planning (INPUT) (abstract accepted)

Conferences participation

- 2014** International Conference on Art, Architecture and Urban Design - PFP Past Present and Future of Public Space, Bologna 25-27 June 2014. Paper presentation "The role of urban features in ethero-organization of public spaces".
- 2014** VIII Giornata di Studi INU "Una politica per le città italiane", Napoli, 12 December 2014. Paper presentation "Planning Tool per il contesto Rurban".
- 2015** 4th NAUN International Conference on Energy Systems, Environment, Entrepreneurship and Innovation, ICESEEI'15, Dubai, UAE, 22-24 February 2015. Paper presentation "Methodology and applications for Rurban Sustainable Development".
- 2015** XXII Conferenza Internazionale "Vivere e camminare in città: Il rapporto città campagna. Nuovi paradigmi". Brescia, 5 June 2015. Paper presentation "Nuovi approcci metodologici per il contesto Rurban: RAU (Rural Architectural Urbanism)".
- 2016** XIX Conferenza Nazionale SIU "Cambiamenti, responsabilità e strumenti per l'urbanistica al servizio del Paese", Catania, 16-18 June 2016. Paper presentation "L'Esposizione nell'analisi del rischio in ambito pianificatorio".
- 2016** Congresso Internazionale ReUSO 2016, "Convegno Internazionale sulla documentazione, conservazione e recupero", Pavia, 6-8 October 2016. Paper presentation "Connections inside urban context to cultural heritage enhancement".
- 2017** X Giornata di Studi INU "Crisi e rinascita delle città", Napoli (Italy), 15 December 2017. Presentazione del paper "Nature-Based Solution to improve urban flexibility and resilience".
- 2019** XXII Conferenza Nazionale SIU "L'urbanistica italiana di fronte all'Agenda 2030 per lo sviluppo sostenibile", Bari, 6-7 June 2019, Paper presentation "Criteri di valutazione di efficacia della pianificazione preventiva. Dalla teoria ai casi studio"
- 2019** International Conference on Innovation in Urban and Regional Planning - INPUT aCademy 2019, Cagliari, 24-26 June 2019 Paper presentation "Urban Regeneration for Smart Communities. Applying methods for megalopolis and towns in China"
- 2019** Una manovra riformatrice per l'Università Italiana. Declaratorie scientifico-disciplinari, classi di laurea e competenze professionali. URBING-Ricerca Scientifica, Brescia, 25 October 2019.

Academic Profile: Activities

AY 2019/2020

Assistant Professor for Design Studio of “Tecnica Urbanistica” – Urban Planning I (3° year Building Engineering and Architecture), University of Pavia

AY 2018/2019

Assistant Professor for Design Studio of “Urbanistica” – Urban Planning II (4° year Building Engineering and Architecture), University of Pavia

AY 2017/2018

Design Studio Assistant in “Urbanistica” – Urban Planning II (4° year Building Engineering and Architecture), with Prof. Carlo Gervasini, University of Pavia

AY 2016/2017

Adjunct Professor in Urban Planning (module of “Tecnica Urbanistica” – Urban Planning I - 3° year Building Engineering and Architecture), University of Pavia

27/02/2017-12/03/2017 (in China) and 04/2017-06/2017 (in Italy) Tutor during International Joint Design Studio “The Bridgehead of Beijing-Hangzhou Grand Canal: Stimulating Walkability and Cultural Vitality” with CAUP Tongji University of Shanghai, PRC and UPlab, DICAr, University of Pavia. Supervisors: Prof. Yu Zhuang and Prof. Roberto De Lotto
Design Studio Assistant in “Urbanistica” – Urban Planning II (4° year Building Engineering and Architecture), with Prof. Carlo Gervasini, University of Pavia

AY 2015/2016

20-27 September 2015: Tutor during International Summer School “Flexible city for smart communities” with Prof. Roberto De Lotto, University of Pavia

Design Studio Assistant in “Environmental planning and assessment” (5° year Building Engineering and Architecture) with Prof. Roberto De Lotto (English course), University of Pavia

Design Studio Assistant in “Urbanistica” – Urban Planning II (4° year Building Engineering and Architecture), with Prof. Carlo Gervasini, University of Pavia

AY 2014/2015

Design Studio Assistant in “Environmental planning and assessment” (5° year Building Engineering and Architecture) with Prof. Roberto De Lotto (English course), University of Pavia

Design Studio Assistant in “Tecnica Urbanistica” – Urban Planning I (3° year Building Engineering and Architecture) with Prof. C. Gervasini, University of Pavia

AY 2013/2014

Design Studio Assistant in “Environmental planning and assessment” (5° year Building Engineering and Architecture) with Prof. Roberto De Lotto (English course), University of Pavia

Design Studio Assistant in “Tecnica Urbanistica” – Urban Planning I (3° year Building Engineering and Architecture) with Prof. C. Gervasini, University of Pavia

3-8 October 2013: Tutor and member of Organization team for the “International Workshop and Conference UNESCO Archaeological Sites: Experiences of Investigation” with Prof. Sandro Parrinello, University of Pavia

May 2013: Tutor during workshop of landscape and architectural representation, “Disegno dell’architettura 1” – Architectural Design I (1° year Building Engineering and Architecture), Camaldoli Monastery (AR). Coordinator: Prof. Sandro Parrinello, University of Pavia.

Tutor in “Disegno dell’architettura 1” – Architectural Design I (1° year Building Engineering and Architecture) with Prof. Sandro Parrinello, University of Pavia

AY 2012/2013

Design Studio Assistant in “Tecnica Urbanistica” – Urban Planning I (3° year Building Engineering and Architecture) with Prof. C. Gervasini, University of Pavia

Lectures for “Environmental planning and assessment” (5° year Building Engineering and Architecture) with Prof. Roberto De Lotto (English course), University of Pavia:

- 04/12/2012: “Approccio alla valutazione: metodi e pratiche innovative, DSS, MCDA e AHP” (“First approach to evaluation issues: innovative methods and practices, DSS, MCDA, AHP”)
- 11/12/2012: “Approccio alla valutazione: esperienza nel costruito, ex Foro Boario di Cremona” (“First approach to evaluation issues: experience in urban context, the renewal of ex Foro Boario in Cremona, Italy”)

Collaborator for Final Thesis Laboratory of Master Degree thesis in Building Engineering and Architecture, University of Pavia. Coordinator: Prof. Roberto De Lotto

Tutor in “Disegno dell’architettura 1” – Architectural Design I (1° year Building Engineering and Architecture) with Prof. Sandro Parrinello, University of Pavia

AY 2011/2012

Tutor in “Disegno dell’architettura 1” – Architectural Design I (1° year Building Engineering and Architecture) with Prof. Sandro Parrinello, University of Pavia

AY 2010/2011

Tutor in “Disegno dell’architettura 1” – Architectural Design I (1° year Building Engineering and Architecture) with Prof. Luigi Trentin, University of Pavia

Thesis supervising and co-supervising

AY 2019/2020

Co-supervisor of Master Degree thesis in Building Engineering and Architecture – Double Degree Tongji University, Shanghai, PRC: “Study on morphological design of microclimate sensitive blocks in high-density urban residential areas in subtropical region” – candidate Yafei Liu

AY 2018/2019

Supervisor of Master Degree thesis in Building Engineering and Architecture: “Il paesaggio del tessuto urbano consolidato: proposta di normative per la rigenerazione urbana” - candidate Francesco Dellisanti

Co-supervisor of Master Degree thesis in Building Engineering and Architecture – Double Degree Tongji University, Shanghai, PRC: “Research on renewal design of workers’ villages in Hongkou District Shanghai” – candidate Zhao Yina

AY 2017/2018

Co-supervisor of Master Degree thesis in Building Engineering and Architecture: “Hangzhou C.Y.C.L.E. strategy: Connect Your City Living Experience” – candidate Laura Fraschini.

Co-supervisor of Master Degree thesis in Building Engineering and Architecture: “Urban space regeneration. Smart totem for smart communities in Hangzhou, China” – candidate Erika Cottarelli.

Co-supervisor of Master Degree thesis in Building Engineering and Architecture: “Valutazione quali-quantitativa di scenari pianificatori per il Centro Parco di Segrate” – candidate Ambra Rossi.

AY 2015/2016

Co-supervisor of Master Degree thesis in Building Engineering and Architecture: “Guidelines proposal for preservation and recovery plans in Shanghai: from Xintiandi to Kokaistudios works” – candidate Matteo Bardoneschi.

AY 2014/2015

Co-supervisor of Master Degree thesis in Building Engineering and Architecture: “Valutazione di varianti di aree di trasformazione tramite la tecnica dell’Analytic Network Process. Applicazione al caso studio: variante al P.I.I. di Cascina Boffalora (Segrate, MI)”, candidate Silvia Gossenbergl.

Professional Profile: Activities

- 2019 - 2020** Scientific Consultancy (as UPlab member) for ASM Pavia SpA (Pavia's infrastructure management and design)
- 2019 - 2020** Scientific Consultancy (as UPlab member) for Società Confindustria Pavia (Pavia's Production sector Association)
- 2019** Aggregate Member of State Examinations Commission for the professional license as Engineer, Pavia
- 2019** May – July 2019 _ Definition of Scoping Report for Strategic environmental assessment (SEA) of Viadana municipality (MN), Lombardy Region, Italy.
- 2017 – 2018** August 2017 – October 2018 _ Professional partnership as engineer at two different civil engineering studios near Pavia, Italy.
- 2016** Scientific Consultancy (as UPlab member) for the definition of Segrate (MI) Territorial Government Plan (ecological aspects)
- 2012 – 2013** June 2012 – January 2013 _ Stage with Arch. Massimo Corsico, Pavia, Italy
- 2010 – 2011** September – December 2010 and August – December 2011 _ Stage at Civil Engineering Studio, Salice Terme (Pavia), Italy

Other Activities

- 2017** 16-18 October 2017 _ Event organization and Exhibition set-up "Rigenerazione urbana e riuso sostenibile" ("Urban redevelopment and sustainable renewal"), Santa Maria Gualtieri, Pavia, Italy
- 2016** 16-18 November 2016 _ Exhibition set-up "Rigenerazione urbana e riuso sostenibile" ("Urban redevelopment and sustainable renewal"), Palazzo Broletto, Pavia, Italy
- 2016** 6-8 October 2016 _ Exhibition set-up during IV International Conference ReUSO 2016, Palazzo Centrale University of Pavia, Italy
- 2016** 19 September 2016 _ Member of Organization team for "Chinese Season: 1st Event Double Degree", University of Pavia
- 2015** 21 June 2015 _ Event organization and Exhibition set-up "Progetti di riqualificazione urbanistica dell'area pavese ex-Arsenale" – "Ex-Arsenale: Urban Renewal Projects" (students of Building Engineering and Architecture, course: Urban Planning), ex-Arsenale (Pavia).
- 2013** 8 November 2013 _ Exhibition set-up and Conference organization "UniverCity – Pavia città universitaria e dell'istruzione: la proposta urbanistica di Giancarlo De Carlo per Pavia città universitaria" ("UniverCity – Pavia as academic and educational city: Giancarlo De Carlo proposal for Pavia as a university city"). Palazzo Centrale University of Pavia, Italy
- 2011** April - May 2011 _ Voluntary guide for the exhibition "I templi della sapienza: Carlo e Federico nel palazzo per la Sapienza – Leonardo a Pavia" ("Temples of Wisdom: Carlo and Federico Borromeo in the Palace of wisdom - Leonardo in Pavia") Almo Collegio Borromeo, Pavia, Italy.

Award

- 2019** Outstanding Reviewer for 2019 for Journal of Urban Planning and Development (JUPD, ASCE) ISSN (print): 0733-9488 | ISSN (online): 1943-5444

Skills and Competence

Mother tongue: Italian.

Other language: English (C1) e Spanish (B1).

Advance software knowledge of: ArcGIS and QGIS; AutoCAD 2D and 3D, Sketch Up; Photoshop and InDesign; Microsoft Office (Power Point, Word, Excel and Visual Basic)

Basic software knowledge of: Sap2000 and ProSap for structural design and computation;
software for users with disabilities such as speech software and screen reader programs.

Pavia, 2020-07-09

A handwritten signature in black ink, reading "Elisabetta M. Venco". The signature is written in a cursive style with a large initial 'E'.

Authorize the processing of personal data contained in my curriculum vitae
on the basis of Art. 13 of Legislative Decree 196/2003

Progetto Pavia – Boston 2020

- 1) Nome dello studioso: Elisabetta Maria Venco
- 2) Ruolo e dipartimento di afferenza: RTDa, DICAr –Dipartimento di Ingegneria Civile e Architettura
- 3) Indicazione dell'Università e del dipartimento ospitante: MASSACHUSETTS INSTITUTE OF TECHNOLOGY (MIT), SENSEABLE CITY LAB
- 4) Nome del docente ospitante: RICARDO ALVAREZ, Researcher
- 5) Titolo sintetico e breve descrizione dell'attività/progetto da svolgere:

Urban Life Quality: subjective perception and objective measurement

L'attività di ricerca da svolgersi presso il Senseable City Lab (MIT), inquadrandosi nelle teorie della Flexible City e della Healthy City, vuole indagare la correlazione tra i dati soggettivi raccolti sulla percezione dei rischi urbani e della qualità urbana (i.e. Better Life Index, OECD) e i dati oggettivamente desunti da rilevazioni statistiche e fisiche (i.e. Breathelife2030; Heat – Health Economic Assessment Tool) per evidenziare le disparità e le similitudini tra i diversi dati raccolti. Le elaborazioni possono essere eseguite anche in tempo reale utilizzando i nuovi strumenti che caratterizzano le Smart city: devices personali indossabili e facilmente trasportabili (smartphone), piattaforme di indagine e survey (questionari), tool di scala urbana (centraline per il rilevamento delle condizioni di traffico, agenti inquinanti dell'aria, condizioni meteorologiche).

I cittadini nelle aree urbane sono esposti a elementi e situazioni ambientali stressanti (inquinamento atmosferico, rumore, calore) i quali si ripercuotono negativamente sulla salute e sulla qualità della vita. Sono numerosi gli studi che evidenziano la correlazione tra la salute umana e l'esposizione ai fattori ambientali in particolare nei luoghi di residenza e di lavoro, mentre risultano meno diffusi quelli relativi alle persone in movimento (popolazione come entità dinamica e non statica) nelle zone urbanizzate e, soprattutto, alla percezione umana della propria esposizione ai fattori di rischio ambientale.

L'approccio che caratterizza il Senseable City Lab è multidisciplinare e coinvolge figure quali designers, planners, ingegneri, fisici, biologi e studiosi di scienze sociali. Questo permette la lettura della città (intesa come sistema urbano funzionale complesso), del rapporto city user/città e della correlazione percezione soggettiva/dato oggettivo da differenti punti di vista, andando di volta in volta a sviluppare e ad approfondire le tematiche chiave e gli elementi principali di interesse

- 6) Indicazione del periodo da trascorrere a Boston: 20 Settembre – 20 Ottobre 2020

Pavia, 2020-03-12

