

EUROPEAN
CURRICULUM VITAE
FORMAT



PERSONAL INFORMATION

Name

Carlo Pellegrino

Address

Telephone

SCOPUS links

Other link

E-mail

Nationality

Date of Birth

Gender

WORK EXPERIENCE

- Dates (from - to)
- Name and address of the employer
 - Type of business or sector
 - Occupation or position held
- Main activities and responsibilities

2014 – today

Department of Civil, Environmental, and Architectural Engineering, University of Padova

Full professor – Structural Analysis and Design (Tecnica delle Costruzioni)

- Dates (from - to)
- Name and address of the employer
 - Type of business or sector
 - Occupation or position held
- Main activities and responsibilities

2005 – 2014

Department of Civil, Environmental, and Architectural Engineering, University of Padova

Assistant professor – Structural Analysis and Design (Tecnica delle Costruzioni)

EDUCATION AND TRAINING

- Dates (from - to)
- Name and type of organisation providing education and training
- Principal subjects/occupational skills covered
- Title of qualification awarded

1994-1997

Università degli Studi di Bologna

PhD student

Ph.D in Mechanics of Structures

- Dates (from - to)
- Name and type of organisation providing education and training
- Principal subjects/occupational skills covered
- Title of qualification awarded

1988 - 1994

Università degli Studi di Padova

Civil Engineering

M.Sc., *Magna cum laude*

PERSONAL SKILLS AND COMPETENCES

MOTHER TONGUE
OTHER LANGUAGES

ITALIAN
ENGLISH (FLUENT WRITTEN AND SPOKEN)

SCIENTIFIC SKILLS AND COMPETENCES

- Research interests (5 Key words): bridges, existing structures, seismic behaviour of structures; innovative structural strengthening techniques, structural assessment and inspections
- Supervisor or co-supervisor of 20 PhD students, several Post-docs
- Chair of EUROSTRUCT 2021 – 1st Conference of the European Association on Quality Control of Bridges and Structures – EUROSTRUCT, Padova, Italy, 29 August – 1 September 2021
- Invited speaker in national and international conferences
- Member of the Scientific Committee of several national and international conferences
- Member of the Editorial Board of International Journals
- Member of various National and International Technical Committees and Task Groups
- Referee of research projects for several Public Authorities
- Chairman, of the RILEM Technical Committee 234-DUC “Design procedures for the use of composites in strengthening of Reinforced Concrete structures” (2009-2014)

RELEVANT ROLES AND COMPETENCES

- **Vice-Rector for Buildings, University of Padova (2021-today)**
- **Head of Department of Civil, Environmental, and Architectural Engineering, University of Padova (2015-2021)**
- **Member of the Academic Senate, University of Padova (2015-2021)**
- Member of the Council of the Graduate School in "Engineering of Civil and Mechanical Structural Systems" - University of Trento.
- Member of the Council of the Graduate School in "Civil, Environmental and Architectural Engineering Sciences" - University of Padova.
- Member of the National Board of the Scientific Sector ICAR/09 – Tecnica delle Costruzioni
- Founding member and representative of the University of Padova in the Scientific Council and the Board of the FABRE Research Consortium for Assessment Monitoring of bridges viaducts and other structures.
- Coordinator/Scientist in charge of international and national research projects as PI or Co-PI:
 - o “European Network for Durable Reinforcement and Rehabilitation Solutions – endure”, call: FP7-PEOPLE-2013-ITN (European Commission - 7th Framework Programme for Research, technological Development and Demonstration, People, Marie Curie Action: Initial Training Networks - ITN).
 - o “EU Training Network for Resource Recovery through Enhanced Landfill Mining – NEW-MINE”, call: H2020-MSCA-ITN-2016 (European Commission – Horizon 2020 – Marie Skłodowska-Curie Actions)
 - o CROSSIT-SAFER “Cross-border cooperation between Slovenia and Italy for a safer region” (INTERREG I Programme ITALIA-SLOVENIJA 2014-2020 – Priority Axis 4 - Enhancing capacity building and cross-border governance)
- Member of the Management Committee for the COST Action (European Cooperation in Science and Technology) TU1406 “Quality specifications for roadway bridges, standardization at a European level (BridgeSpec)” (2015-2019).
- Coordinator of several research contracts with Public and private Authorities about assessment, control, inspection, monitoring of critical infrastructures and bridges in particular.

PUBLICATION INDEXES (SCOPUS)

- NUMBER OF PUBLICATIONS: 267
- TOTAL NUMBER OF CITATIONS: 6300
- H-INDEX: 47

10 MOST RELEVANT
PUBLICATIONS
In the last 10 years.

1. Toska K., Faleschini F., Zanini M.A., Hofer L., **Pellegrino C.** (2021) "Repair of severely damaged RC columns through FRCM composites", *Construction and Building Materials*, 273:121739, DOI: 10.1016/j.conbuildmat.2020.121739.
2. Zampieri P., Simoncello N., Gonzalez-Libreros J., **Pellegrino C.** (2020) "Evaluation of the vertical load capacity of masonry arch bridges strengthened with FRCM or SFRM by limit analysis", *Engineering Structures*, 225:111135, DOI: 10.1016/j.engstruct.2020.111135.
3. Zanini M.A., Toska K., Faleschini F., **Pellegrino C.** (2020) "Seismic reliability of reinforced concrete bridges subject to environmental deterioration and strengthened with FRCM composites", *Soil Dynamics and Earthquake Engineering*, 136:106224, DOI: 10.1016/j.soildyn.2020.106224.
4. Zanini M.A., Hofer L., **Pellegrino C.** (2019) "A framework for assessing the Seismic Risk Map of Italy and developing a sustainable risk reduction program", *International Journal of Disaster Risk Reduction*, 33:74-93, DOI: 10.1016/j.ijdrr.2018.09.012.
5. Zampieri P., Zanini M.A., Faleschini F., Hofer L., **Pellegrino C.** (2017) "Failure analysis of masonry arch bridges subject to local pier scour", *Engineering Failure Analysis*, 79:371-384, DOI: 10.1016/j.engfailanal.2017.05.028.
6. Zanini M.A., Faleschini F., **Pellegrino C.** (2017) "Probabilistic seismic risk forecasting of aging bridge networks", *Engineering Structures*, 136:219-232, DOI: 10.1016/j.engstruct.2017.01.029.
7. Zanini M.A., Faleschini F., **Pellegrino C.** (2017) "Bridge residual service-life prediction through Bayesian visual inspection and data updating", *Structure and Infrastructure Engineering*, 13(7):906-917, DOI: 10.1080/15732479.2016.1225311.
8. Zanini M.A., Faleschini F., **Pellegrino C.** (2016). "Cost analysis for maintenance and seismic retrofit of existing bridges", *Structure and Infrastructure Engineering*, 12(11): 1411-1427, DOI: 10.1080/15732479.2015.1133661.
9. Morbin R., **Pellegrino C.**, Zhang H., Zanini M.A., Modena C. (2015). "A probabilistic strategy for seismic assessment and FRP retrofitting of existing bridges", *Bulletin of Earthquake Engineering*, 13:2411-2428, DOI: 10.1007/s10518-015-9725-2.
10. **Pellegrino C.**, Zanini M.A., Zampieri P., Modena C. (2015). "Contribution of in-situ and laboratory investigations for assessing seismic vulnerability of existing bridges", *Structure and Infrastructure Engineering*, 11(9):1147-1162, ISSN: 1573-2479, DOI: 10.1080/15732479.2014.938661.

PATENTS

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According to law 679/2016 of the Regulation of the European Parliament of 27th April 2016, I hereby express my consent to process and use my data provided in this CV

Padova, 19.05.2023