

Curriculum Vitae - Flora Faleschini, Ph.D.

PERSONAL INFORMATION

Date of birth: 22/12/1986
Place of birth: Gemona del Friuli (UD)
Address: via Francesco Marzolo 9, 35131 Padova (PD), Italy
Telephone: +39 0498275570
E-mail: flora.faleschini@unipd.it
flora.faleschini@dicea.unipd.it
Web: ORCID: orcid.org/0000-0003-2126-9300
Scopus Author ID: 14522174100
ResearcherID: C-2618-2017
Researchgate: www.researchgate.net/profile/Flora_Faleschini
Nationality: Italian
Present position: Assistant Professor of Design of Structures at Dept. of Civil, Environmental and Architectural Engineering, University of Padova, Italy.
Languages: Italian (oral and written): native
English (oral and written): excellent
Spanish (oral and written): good
Number of products: 47
Scopus indexes (at 30/09/2018): Number of citations: 337
H-index: 10

ACADEMIC INFORMATION

Flora Faleschini is Assistant Professor of Structural Analysis and Design at the Department of Civil, Environmental and Architectural Engineering, University of Padova, Italy, from 08/01/2018. Laurea M.Sc., “cum laude”, in Environmental Engineering, University of Padova, Italy (2011). Ph.D. in “Civil and Environmental Engineering Sciences”, University of Padova, Italy (2015). National license for the role of Associate Professor of Design of Structures, Ministry of Italian University and Research (MIUR), from 20/09/2018. Member of the Professional Society of Civil and Environmental Engineers, Padova, Italy.

She holds the course of “Structural Analysis and Design”, Master Degree in Architectural Engineering, from the A.A. 2017/2018, and of the course “Assessment and Enhancement of Safety in Existing Structures”, Master Degree in Civil Engineering, both at the University of Padova. She is supervisor and co-supervisor of several master theses. Professor of the PhD course “Innovative and Sustainable Structural Concrete”, at the PhD School in “Scienze dell’Ingegneria Civile, Ambientale e dell’Architettura”, Department of Civil, Environmental and Architectural Engineering, University of Padova, from 2018.

Visiting researcher at the Universitat Politècnica de Catalunya - BarcelonaTech (UPC), Barcelona, Spain for 7 months in 2013, and for one month in 2016. Visiting Professor at the University of Cergy-Pontoise, Paris, France, for 10 days in 2017, and for 10 days in 2018.

Member of the *fib* Task Group 2.5: Bond and Material Models since 2014, and participant in the COST Action TU 1406 “Quality specifications for roadway bridges, standardization at a European level (BridgeSpec)”, WG1 - Performance indicators since 2015. Member of the Scientific Committee of the national association ANPAR (Associazione Nazionale dei Produttori di Aggregati Riciclati e Artificiali).

Referee of more than 20 International Journals, Member of the Editorial Board of the Journals “Advances in Civil Engineering”, edited by Hindawi, and of the Journal “American Journal of Construction and Building Materials”, edited by Science Publishing Group.

Author of more than 80 scientific publications, more than 30 of them in referred ISI/SCOPUS Journals. Co-Author of the book “Sustainability Improvements in the Concrete Industry - Use of Recycled Materials for Structural Concrete Production”, Springer International Publishing, 2016. Invited speaker at several national and international conferences/seminars.

Her research activity covers the following topics: use of recycled components for structural materials; reinforced concrete structures design and assessment; seismic assessment of reinforced concrete structures; assessment, rehabilitation, strengthening and retrofit of buildings and bridges.

RELEVANT PUBLICATIONS

1. Pellegrino C., Cavagnis P., Faleschini F., Brunelli K. (2013). “Properties of concretes with Black/Oxidizing Electric Arc Furnace slag aggregate”, *Cement and Concrete Composites*, Vol. 37, N. 1, pp. 232-240, ISSN: 0958-9465, doi: 10.1016/j.cemconcomp.2012.09.001.
2. Pellegrino C., Faleschini F. (2013). “Experimental behavior of RC beams with EAF slag as recycled aggregate”, *ACI Materials Journal*, Vol. 110, N. 2, pp. 197-205, ISSN: 0889-325X.
3. Faleschini F., Jiménez C., Barra M., Aponte D., Vázquez E., Pellegrino C. (2014). “Rheology of fresh concretes with recycled aggregates”, *Construction and Building Materials*, Vol. 73, pp. 407-416, ISSN: 0950-0618, doi: 10.1016/j.conbuildmat.2014.09.068.
4. Faleschini F., Fernández-Ruiz A.M., Zanini M.A., Brunelli K., Pellegrino C., Hernández-Montes E. (2015). “High performance concrete with electric arc furnace slag as aggregate: Mechanical and durability properties”, *Construction and Building Materials*, Vol. 101, pp. 113-121, ISSN: 0950-0618, doi: 10.1016/j.conbuildmat.2015.10.022.
5. Faleschini F., Santamaria A., Zanini M.A., San José J.-T., Pellegrino C. (2017). “Bond between steel reinforcement bars and electric arc furnace slag concrete”, *Materials and Structures/Materiaux et Constructions*, Vol. 50, N. 3, Article N. 170, ISSN: 1359-5997, doi: 10.1617/s11527-017-1038-2.
6. Faleschini F., Hofer L., Zanini M.A., dalla Benetta M., Pellegrino C. (2017). “Experimental behavior of beam-column joints made with EAF concrete under cyclic loading”, *Engineering Structures*, V. 139, pp. 81-95, ISSN: 0141-0296, doi: 10.1016/j.engstruct.2017.02.038.
7. Faleschini F., Bragolusi P., Zanini M.A., Zampieri P., Pellegrino C. (2017). “Experimental and numerical investigation on the cyclic behavior of RC beam column joints with EAF slag concrete”, *Engineering Structures*, Vol. 152, pp. 335-347, ISSN: 0141-0296, doi: 10.1016/j.engstruct.2017.09.022.
8. da Silva M.M., Faleschini F., Brunelli K., Pellegrino C. (2017). “Cementing efficiency of electric arc furnace dust in mortars”, *Construction and Building Materials*, Vol. 157, pp. 141-150, ISSN: 0950-0618, doi: 10.1016/j.conbuildmat.2017.09.074.
9. Faleschini F., Zanini M.A., Hofer L. (2018), “Reliability-Based Analysis of Recycled Aggregate Concrete under Carbonation”, *Advances in Civil Engineering*, Article ID: 4742372, 11 pages, doi:10.1155/2018/4742372.
10. Santamaria A., Faleschini F., Giacomello G., Brunelli K., San José J.-T., Pellegrino C., Pasetto M. (2018), “Dimensional stability of electric arc furnace slag in civil engineering applications”, *Journal of Cleaner Production* 205, pp. 599-609, doi: 10.1016/j.jclepro.2018.09.122.