CURRICULUM
FABRIZIO GARA

Professor of Structural Engineering
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Personal information

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Qualification

From 1st November 2019 Professor of Structural Engineering at the Universita' Politecnica delle Marche (UnivPM), Ancona, Italy - Department of Construction, Civil Engineering and Architecture (DICEA) - Structural Division.

Address (work)

Via Brecce Bianche, 12 – 60131 Ancona (AN)

Employment history

From 30th October 2015: Associate Professor at UnivPM - DICEA
From 1st October 2002: Assistant Professor at UnivPM - DACS (Department of Architectures, Construction and Structures)

Short CV

Born in Jesi in 1967, Fabrizio graduated at Faculty of Engineering of Ancona in 1996 with full marks and in 2000 completed his Ph.D. in "Structural Engineering" at the University of Bologna (Italy). He was assistant researcher, then Associate professor and now Professor at the Università Politecnica delle Marche (UnivPM) in Ancona, Italy. He was teacher of Analysis and Design of R.C. Structures, Analysis and Design of Steel Structures, Earthquake Engineering, Material and Structure Testing and Control, and Advanced Structural System; from 4 years, he teaches Structural Rehabilitation and Structural Design.

His main research fields are: analysis and modelling of steel-concrete composite bridges; soil-structure dynamic interaction for seismic design of pile foundations and superstructures; dynamic characterization of existing and new buildings and bridges through dynamic testings.

He is author of numerous scientific papers, also with international co-authors: 52 papers on Journals and more than 180 articles on national and international Conferences (more than 100).

He is Scientific Coordinator of the Research Unit of UnivPM for the 2019-2021 and 2022-2024 ReLUIS projects, for WP4-9, WP6-2, WP12-4 regarding bridges (risks, monitoring and assessment). He is also the P.I. of national project founded by Cariverona (240 k€) entitled "PROTECT - maPping the seismic Risk Of straTEgiC consTructions", and the Coordinator of the UR of UnivPM for the European projects SERA 2019 "DYMOBRIS - DYnamic identification and MOnitoring of scoured BRIdgeS under earthquake hazard" and ERIES 2022 "ERIES- SCOUR&SHAKE - Structural Performance monitoring and evaluation of scoured bridges under dynamic actions".

He is also very active in the consulting activities for companies and professional firms, and has managed around EUR 1 milion.

In 2006, he was Awarded for the Best Assistant Professor of the Year in the Faculty of Engineering of the UnivPM.

PUBBLICATIONS

PH.D THESIS

[PhD] F. Gara (2000). *Shear-lag, connection deformability and creep effects in steel-concrete composite beams* – Tesi per il conseguimento del titolo di Dottore di Ricerca in Meccanica delle Strutture, Bologna.

PAPERS ON INTERNATIONAL JOURNALS [IJ]

[IJ01] L. Dezi*, F. Gara, G. Leoni, A. M. Tarantino (2001). *Time dependent analysis of shear-lag effect in composite beams* – **J. Engrg. Mech. ASCE**, 127(1), 71-79. ISSN: 0733-9399. DOI:10.1061/(ASCE)0733-9399(2001)127:1(71). WOS:000165872800009. SCOPUS 2-s2.0-0035148676

[IJ02] L. Dezi*, F. Gara, G. Leoni (2003). *Shear-Lag effect in twin-girder composite decks* – **Steel & Composite Structures**, 3(2) 111-122. ISSN: 1229-9367. WOS:000182364300003.

[IJ03] L. Dezi*, F. Gara, G. Leoni (2006). *Effective slab width in prestressed twin-girder composite decks* – **J. Struct. Engrg. ASCE**, award rate, 132(9), 1358-1370.
ISSN: 0733-9445. DOI:10.1061/(ASCE)0733-9445(2006)132:9(1358).
WOS:000239905400005. SCOPUS 2-s2.0-33747347273

[IJ04] G. Ranzi*, F. Gara, G. Leoni, M. A. Bradford (2006). *Analysis of composite beams with partial shear interaction using available modelling techniques: A comparative study* – **Computers & Structures**, 84 (13-14), 930-941. ISSN: 0045-7949. DOI:10.1016/j.compstruc.2005.12.003. WOS:000237185600008. SCOPUS 2-s2.0-33645972615

[IJ05] L. Dezi*, F. Gara, G. Leoni (2006). *Construction sequence modelling of continuous steel-concrete composite bridge decks* – **Steel & Composite Structures**, 6(2), 123-138. ISSN: 1229-9367. DOI: 10.12989/scs.2006.6.2.123. WOS:000236259200003. SCOPUS 2-s2.0-33645274625

[IJ06] F. Gara, G. Ranzi*, G. Leoni (2006). *Time analysis of composite beams with partial interaction using available modelling techniques: A comparative study* – **J. Constr. Steel Res.**, 62(9), 917-930. ISSN: 0143-974X. DOI:10.1016/j.jcsr.2005.11.024. WOS:000238308600008. SCOPUS 2-s2.0-33646369921

[IJ07] F. Gara, G. Ranzi*, G. Leoni (2006). *Displacement-based formulations for composite beams with longitudinal slip and vertical uplift* – **Int. J. for Numerical Methods in Engineering**, 65(8), 1197-1220. ISSN: 0029-5981. DOI:10.1002/nme.1484. WOS:000235320300003. SCOPUS 2-s2.0-32444449189

[IJ08] G. Ranzi*, F. Gara, P. Ansourian (2006). *General method of analysis for composite beams with longitudinal and transverse partial interaction* – **Computers & Structures,** 84(31-32), 2373-2384. ISSN: 0045-7949. DOI:10.1016/j.compstruc.2006.07.002. WOS:000243267400024. SCOPUS 2-s2.0-33751436055

[IJ09] F. Gara, G. Ranzi*, G. Leoni (2008). *Analysis of the shear lag effect in composite bridges with complex static schemes by means of a deck finite element* – **Int. J. of Steel Structures**, 8, 249-260. ISSN: 1598-2351. WOS:000262400200001.

[IJ10] F. Gara*, G. Leoni, L. Dezi (2009). *A beam finite element including shear-lag effect for the time-dependent analysis of steel-concrete composite decks* – **Engineering Structures**, 31(8), 1888-1902. ISSN: 0141-0296. DOI:10.1016/j.engstruct.2009.03.017. WOS:000268119400023. SCOPUS 2-s2.0-67349179702

[IJ11] F. Gara, G. Ranzi*, G. Leoni (2010). *Short- and long-term analytical solutions for composite beams with partial interaction and shear-lag effects* – **Int. J. of Steel Structures**, 10(4), 359-372. ISSN: 1598-2351. DOI:10.1007/BF03215844. WOS:000286090700005. SCOPUS 2-s2.0-79955668801

[IJ12] F. Gara, G. Ranzi, G. Leoni* (2011). *Partial interaction analysis with shear-lag effects of composite bridges: a finite element implementation for design applications* – **Advanced Steel Construction**, 7(1), 1-16. ISSN: 1816-112X. WOS:000288059900002. SCOPUS 2-s2.0-79951905406

[IJ13] F. Gara, G. Ranzi, G. Leoni* (2011). *Simplified method of analysis accounting for shear-lag effects in composite bridge decks* – **J. Constr. Steel Res., 67 (10),** 1684–1697. ISSN: 0143-974X. DOI: 10.1016/j.jcsr.2011.04.013. WOS:000293118800025. SCOPUS 2-s2.0-79959941647

[IJ14] F. Gara*, L. Ragni, D. Roia, L. Dezi (2012). *Experimental behaviour and numerical analysis of floor sandwich panels* – **Engineering Structures**, 36, 258-269. ISSN: 0141-0296. DOI:10.1016/j.engstruct.2011.12.011. WOS:000301395200023. SCOPUS 2-s2.0-84855744788

[IJ15] F. Gara*, L. Ragni, D. Roia, L. Dezi (2012). *Experimental tests and numerical modelling of wall sandwich panels* – **Engineering Structures**, 37, 193-204. ISSN: 0141-0296. DOI:10.1016/j.engstruct.2011.12.027. WOS:000301696600017. SCOPUS 2-s2.0-84856570377

[IJ16] F. Dezi*, F. Gara, D. Roia (2012). *Dynamic response of a near-shore pile to lateral impact load* – **Soil Dynamics and Earthquake Engineering**, 40, 34-47. ISSN: 0267-7261. DOI:10.1016/j.soildyn.2012.04.002. WOS:000306035800003. SCOPUS 2-s2.0-84861329467

[IJ17] S. Carbonari, F. Gara*, D. Roia, G. Leoni, L. Dezi (2013). *Tests on two 18-years-old prestressed thin walled roof elements* – **Engineering Structures**, 49, 936-946. ISSN: 0141-0296. DOI:10.1016/j.engstruct.2012.12.037. WOS:000317528800073. SCOPUS 2-s2.0-84873554362

[IJ18] F. Dezi*, F. Gara, D. Roia (2013). *Experimental study of near-shore pile-to-pile interaction* – **Soil Dynamics and Earthquake Engineering**, 48, 282-293. ISSN: 0267-7261. DOI:10.1016/j.soildyn.2013.01.025. WOS:000317877900022. SCOPUS 2-s2.0-84876054169

[IJ19] F. Gara, G. Leoni*, L. Dezi (2013). *Slab cracking control in continuous steel-concrete bridge decks* – **Journal of Bridge Engineering ASCE**, 18(12), Special Section: Eurocodes and their implications for bridge design: Background, implementation, and comparison to north American practice, 1319-1327. ISSN: 1084-0702/2013/12-0001-0009 eISSN: 1943-5592. DOI:10.1061/(ASCE)BE.1943-5592.0000459. WOS:000326956600009. SCOPUS 2-s2.0-84997712031

[IJ20] F. Gara*, S. Carbonari, G. Leoni, L. Dezi (2014). *A higher order steel-concrete composite beam model* – **Engineering Structures**, 80, 260-273. ISSN: 0141-0296. DOI:10.1016/j.engstruct.2014.09.002. WOS:000346622500023. SCOPUS 2-s2.0-84907674330

[IJ21] S. Carbonari*, F. Dezi, F. Gara, G. Leoni (2014). *Seismic Response of Reinforced Concrete Frames on Monopile Foundations* – **Soil Dynamics and Earthquake Engineering**, 67, 326-344. ISSN: 0267-7261. eISSN: 1879-341X. DOI: 10.1016/j.soildyn.2014.10.012. WOS:000347603000025. SCOPUS 2-s2.0-84910058378

[IJ22] G. Antolloni, S. Carbonari*, F. Gara, C. Lorenzoni, A. Mancinelli (2017). *Simple Physical Models to Simulate the Behaviour of Buckling-Type Marine Fenders* – **Journal of Waterway, Port, Coastal, and Ocean Engineering**, ASCE, 143(1), article number 04016014. Published on line 20.07.2016. ISSN: 0733-950X. eISSN: 1943-5460. DOI: 10.1061/(ASCE)WW.1943-5460.0000360. WOS:000392226500004. SCOPUS 2-s2.0-85008445025

[IJ23] F. Dezi*, F. Gara, D. Roia (2017). *Linear and Nonlinear Dynamic Response of Piles in Soft Marine Clay* – **Geotechnical and Geoenvironmental Engineering**, ASCE, 143(1), Article number 04016085. Published on line 29.07.2016. ISSN: 1090-0241. eISSN: 1943-5606. DOI: 10.1061/(ASCE)GT.1943-5606.0001580. WOS:000393655900008. SCOPUS 2-s2.0-85009391390

[IJ24] S. Carbonari*, M. Morici, F. Dezi, F. Gara, G. Leoni (2017). *Soil-Structure Interaction Effects in Single Bridge Piers Founded on Inclined Pile Groups* – **Soil Dynamics and Earthquake Engineering**, 92, 52-67. Published on line 18.10.2016. ISSN: 0267-7261. eISSN: 1879-341X. DOI: 10.1016/j.soildyn.2016.10.005. WOS:000391077300006. SCOPUS 2-s2.0-84992091198

[IJ25] quartile: 2 citazioni Scopus/Wos:
L. Gioiella*, E. Tubaldi, F. Gara, L. Dezi, A. Dall'Asta (2018). *Stochastic seismic analysis and comparison of alternative external dissipative systems* – **Shock and vibration** (without fee), Volume 18, article ID 5403737, 16 pages.
ISSN:1070-9622, e-ISSN:1875-9203. DOI: 10.1155/2018/5403737. WOS:000426198300001. SCOPUS 2-s2.0-85048852729

[IJ26] M. C. Capatti*, F. Dezi, S. Carbonari, F. Gara (2018). *Full-scale experimental assessment of the dynamic horizontal behavior of micropiles in alluvial silty soils* – **Soil Dynamics and Earthquake Engineering**, 113, 58-74. Published on line 06.06.2018. ISSN: 0267-7261. eISSN: 1879-341X. DOI: 10.1016/j.soildyn.2018.05.029. WOS:000447086000006. SCOPUS 2-s2.0-85047916934

[IJ27] L. Gioiella*, E. Tubaldi, F. Gara, L. Dezi, A. Dall'Asta (2018). *Modal properties and seismic behaviour of buildings equipped with external dissipative pinned rocking braced frames* – **Engineering Structures**, 172, 807-819. ISSN: 0141-0296. DOI: 10.1016/j.engstruct.2018.06.043. WOS:000445440300059. SCOPUS 2-s2.0-85048880126

[IJ28] M. Regni, D. Arezzo, S. Carbonari, F. Gara*, D. Zonta (2018). *Effect of environmental conditions on the modal response of a 10-story reinforced concrete tower* – **Shock and vibration** (without fee), Volume 2018, article ID 9476146, 16 pages. ISSN:1070-9622, e-ISSN:1875-9203. DOI: 10.1155/2018/9476146. WOS:000438773800001. SCOPUS 2-s2.0-85050309694

[IJ29] F. Gara*, M. Formica, G. Leoni, L. Dezi (2018). *Fatigue assessment of continuous composite bridges accounting for slab casting sequences* – **Structural Engineering International**, IABSE, published online 03 Aug 2018, Vol. 28, 4, 535-545. ISSN: 1016-8664. eISSN: 1683-0350. DOI: 10.1080/10168664.2018.1453768. WOS:000451388300018. SCOPUS 2-s2.0-85059269506

[IJ30] S. Carbonari*, G. Antolloni, F. Gara, C. Lorenzoni, A. Mancinelli (2019). *A performance-based approach for the design of coupled dolphin-fender berthing structures* – **Marine Structures**, 64(2019) 78-91. Published on line 05.11.2018; indexed 2019.02.21; published March 2019. ISSN: 0951-8339. eISSN: 1873-4170. DOI: https://doi.org/10.1016/j.marstruc.2018.10.013. WOS:000458228900005. SCOPUS 2-s2.0-85055981880

[IJ31] F. Gara, M. Regni*, D. Roia, S. Carbonari, F. Dezi (2019). *Evidence of coupled soil-structure interaction and site response in continuous viaducts from ambient vibration tests* – **Soil Dynamics and Earthquake Engineering**, 120, 408-422. Indexed 2019.04.19; published May 2019. ISSN: 0267-7261. eISSN: 1879-341X. DOI: 10.1016/j.soildyn.2019.02.005. WOS:000463130500033. SCOPUS 2-s2.0-85062258483

[IJ32] S. Carbonari, A. Dall'Asta, L. Dezi, F. Gara, G. Leoni, M. Morici*, A. Prota, A. Zona (2019). *First analysis of data concerning damage occurred to churches of the Marche region following the 2016 central Italy earthquakes* – **Bollettino di Geofisica Teorica ed Applicata**, An International Journal of Earth Sciences, 60, n.2, 183-196, June 2019. ISSN: 0006-6729. eISSN: 2239-5695. DOI: 10.4430/bgta0271. WOS:000469954800004. SCOPUS 2-s2.0-85070209378

[IJ33] C. Canuti, S. Carbonari, A. Dall'Asta, L. Dezi, F. Gara, G. Leoni, M. Morici*, E. Petrucci, A. Prota, A. Zona (2021). *Post-Earthquake Damage and Vulnerability Assessment of Churches in the Marche Region Struck by the 2016 Central Italy Seismic Sequence* – **International Journal of Architectural Heritage - Conservation, Analysis, and Restoration**, 15(7), 1000-1021. Firstly online August 2019; Indexed 2019.09.20; published July 3, 2021. ISSN: 1558-3058. eISSN: 1558-3066. DOI: 10.1080/15583058.2019.1653403. WOS:000484017400001. SCOPUS 2-s2.0-85071638919

[IJ34] F. Scozzese*, L. Ragni, E. Tubaldi, F. Gara (2019). *Modal properties variation and collapse assessment of masonry arch bridges under scour action* – **Engineering Structures**, 199, 109665. Indexed 2019.12.02; published November 15, 2019. ISSN: 0141-0296. eISSN: 1873-7323. DOI: 10.1016/j.engstruct.2019.109665. WOS:000497245600068. SCOPUS 2-s2.0-85072163297

[IJ35] M. C. Capatti, F. Dezi*, S. Carbonari, F. Gara (2020). *Dynamic performance of a full-scale micropile group: Relevance of nonlinear behaviour of the soil adjacent to micropiles* – **Soil Dynamics and Earthquake Engineering,** 128**,** 105858, 14 pages. Online: 19/10/2019; indexed 2019.12.23; published January 2020. ISSN: 0267-7261. eISSN: 1879-341X. DOI: 10.1016/j.soildyn.2019.105858. WOS:000501654700020. SCOPUS 2-s2.0-85073172006

[IJ36] F. Gara, V. Nicoletti, S. Carbonari, L. Ragni, A. Dall'Asta* (2020). *Dynamic monitoring of bridges during static load tests: Influence of the dynamics of trucks on the modal parameters of the bridge* – **Journal of Civil Structural Health Monitoring,** 10(2):197-217. Online: 16.01.2020; indexed 2020.01.28; published April 2020. ISSN: 2190-5452. eISSN: 2190-5479. DOI: 10.1007/s13349-019-00376-1. WOS:000507683800001. SCOPUS 2-s2.0-85078605357

[IJ37] V. Nicoletti, D. Arezzo, S. Carbonari*, F. Gara (2020). *Expeditious methodology for the estimation of infill masonry wall stiffness through in-situ dynamic tests* – **Construction and Building Materials**, 262, 120807. Indexed 2020.12.22; published November 30, 2020. ISSN: 0950-0618. DOI. 10.1016/j.conbuildmat.2020.120807. WOS:000582531500203. SCOPUS 2-s2.0-85091201913

[IJ38] F. Gara, S. Carbonari*, D. Roia, A. Balducci, L. Dezi (2021). *Seismic retrofit assessment of a school building through operational modal analysis and f.e. modeling* – **J. Struct. Engrg. ASCE**, 147(1):04020302. Published online on October 25, 2020, indexed 2020.12.11, published January 2021. ISSN: 0733-9445. DOI: 10.1061/(ASCE)ST.1943-541X.0002865. WOS:000590478300003. SCOPUS 2-s2.0-85091208189

[IJ39] F. Gara, S. Carbonari, G. Leoni, L. Dezi (2021). *Finite Elements for Higher Order Steel–Concrete Composite Beams* – Applied Sciences, 11(2), 568, 1-29. Published online on January 8, 2021; indexed 2021.02.09, published January 2021. ISSN: 2076-3417. DOI: 10.3390/app11020568. WOS:000610928500001. SCOPUS 2-s2.0-85099244481

[IJ40] F. Gara, D. Arezzo, V. Nicoletti, S. Carbonari* (2021). *Monitoring the Modal Properties of a RC School Building During the 2016 Central Italy Seismic Swarm* – **J. Struct. Engrg. ASCE**, 147(7):05021002. Published online on April 20, 2021, indexed 2021.05.28, published July 2021. ISSN: 0733-9445. DOI: 10.1061/(ASCE)ST.1943-541X.0003025. WOS:000652531800010. SCOPUS 2-s2.0-85104592128

[IJ41] L. Minnucci*, M. Morici, S. Carbonari, F. Dezi, F. Gara, G. Leoni (2021). *A probabilistic investigation on the dynamic behaviour of pile foundations in homogeneous soils* – **Bulletin of Earthquake Engineering**, Vol. 20, issue 7, Pages 3329-3357. Published online on November 15, 2021, indexed 2021.12.15. ISSN: 1570-761X, eISSN: 1573-1456. DOI: 10.1007/s10518-021-01272-0. WOS:000728505300001. SCOPUS 2-s2.0-85119262151

[IJ41b] Correction to: L. Minnucci*, M. Morici, S. Carbonari, F. Dezi, F. Gara, G. Leoni (2021). *A probabilistic investigation on the dynamic behaviour of pile foundations in homogeneous soils*. **Bulletin of Earthquake Engineering**; Vol. 20, issue 7, Pages 3621-3621. ISSN: 1570-761X. eISSN: 1573-1456 DOI: 10.1007/s10518-021-01294-8. Codice SCOPUS: 2-s2.0-85120823809. WOS:000728505300002

[IJ42] V. Nicoletti*, D. Arezzo, S. Carbonari, F. Gara (2022). *Dynamic monitoring of buildings as a diagnostic tool during construction phases* – **J. of Building Engineering**, vol. 46, article n. 103764. Published online on November 30, 2021, indexed 2021.12.18, published 1 April 2022. eISSN: 2352-7102. DOI: 10.1016/j.jobe.2021.103764. WOS:000729553700002. SCOPUS 2-s2.0-85120341442

[IJ43] C. Antonopoulos*, E. Tubaldi, S. Carbonari, F. Gara, F. Dezi (2021 o 2022). *Dynamic behavior of soil-foundation-structure systems subjected to scour*. **Soil Dynamics and Earthquake Engineering**, 152, Article 106969. ISSN: 02677261. eISSN: 1879-341X. DOI: 10.1016/j.soildyn.2021.106969. WOS:000722631700001. SCOPUS 2-s2.0-85119058666

[IJ44] V. Nicoletti*, D. Arezzo, S. Carbonari, F. Gara (2022). *Vibration-based tests and results for the evaluation of infill masonry walls influence on the dynamic behaviour of buildings: A review* – **Archives of Computational Methods in Engineering**, vol. 29, 6, 3773-3787. Published online on 18 January 2022. e-ISSN: 1886-1784, ISSN: 1134-3060. DOI: 10.1007/s10518-021-01294-8 https://doi.org/10.1007/s11831-022-09713-y. WOS: 000743862600002. SCOPUS 2-s2.85123114396

[IJ45] S. Carbonari*, F. Dezi, D. Arezzo, F. Gara (2022). *A methodology for the identification of physical parameters of soil-foundation-bridge pier systems from identified state-space models* – **Engineering Structures**, 255: 113944. Indexed 2022.04.01, published 15 March 2022. ISSN: 0141-0296. eISSN: 1873-7323. DOI: 10.1016/j.engstruct.2022.113944. WOS:000772606500002 SCOPUS 2-s2.0-85124520633

[IJ46] R.D. Innocenzi, D. Arezzo, V. Nicoletti*, S. Carbonari, F. Gara, L. Dezi (2022). *A good practice for the proof testing of cable-stayed bridges* – **Applied Sciences**, 12(7): Article number 3547. Published on 01 April, 2022. ISSN: 2076-3417. DOI: 10.3390/app12073547 https://doi.org/10.3390/app12073547. WOS: 000782214300001. SCOPUS 2-s2.0-85128215778

[IJ47] V. Nicoletti*, S. Carbonari, F. Gara (2022). *Nomograms for the pre-dimensioning of RC beam-column joints according to Eurocode 8* – **Structures**, Vol. 39, 958-973, indexed 2022.05.15. ISSN: 23520124. DOI: 10.1016/j.istruc.2022.03.083 https://doi.org/10.1016/j.istruc.2022.03.083. WOS: 000791994300002. SCOPUS 2-s2. 0-85127501897

[IJ48] E. Tubaldi, C. Antonopoulos, S. A. Mitoulis, S. Argyroudis, F. Gara, L. Ragni, S. Carbonari, F. Dezi, A. Vratsikidis, D. Pitilakis, A. Anastasiadis (2022). *Field tests and numerical analysis of the effects of scour on a full-scale soil-foundation-structural system* – **Journal of Civil Structural Health Monitoring**. Open Access, published 26.08.2022. ISSN: 2190-5452. DOI: 10.1007/s13349-022-00608-x https://dx.doi.org/10.1007/s13349-022-00608-x. WOS: 000844913300001. SCOPUS 2-s2.0-85137065958

[IJ49] quartile: 2 citazioni Scopus/Wos:
L. Minnucci, F. Scozzese, S. Carbonari, F. Gara, A. Dall'Asta (2022). *Innovative Fragility-Based Method for Failure Mechanisms and Damage Extension Analysis of Bridges* – **Infrastructures**. Open Access (without any fee), Published 16.09.2022, 7(9) article number 122. Codice SCOPUS: 2-s2.0-85138627158. WOS:000858577000001. eISSN: 2412-3811. doi: 10.3390/infrastructures7090122.

[IJ50] V. Nicoletti*, D. Arezzo, S. Carbonari, F. Gara (2022-2023). *Detection of infill wall damage due to earthquakes from vibration data* – **Earthquake Engineering & Structural Dynamics**. Vol. 52, 2, 460-481. On-line 10 November 2022; print: February 2023. Codice SCOPUS: 2-s2.0-85141959649. WOS:000881039900001. ISSN: 0098-8847, eISSN: 1096-9845. doi: 10.1002/eqe.3768.

[IJ51] V. Nicoletti*, D. Arezzo, S. Carbonari, F. Gara (2023). *Operational Modal Analysis as a Support for the Development of Digital Twin Models of Bridges* – **Infrastructures**. Open Access (without any fee), Published 05.02.2023, 8(2), 24. www.mdpi.com/2412-3811/8/2/24. eISSN: 2412-3811. doi: 10.3390/infrastructures8020024.

[IJ52] V. Nicoletti*, F. Gara (2023). *Modelling Strategies for the Updating of Infilled RC Building FEMs Considering the Construction Phases* – **Buildings**. Open Access (without any fee), Published 24.02.2023, 13, 598. www.mdpi.com/2075-5309/13/3/598/pdf. eISSN: 20875-5309. doi: 10.3390/buildings13030598.

[IJ53] V. Nicoletti*, S. Quarchioni, L. Tentella, R. Martini, F. Gara (2023). *Experimental tests and numerical analyses for the dynamic characterization of a steel and wooden cable-stayed footbridge* – Infrastructures. Open Access (without any fee), Published 30.05.2023, 8:6(2023), 100. https://www.mdpi.com/2412-3811/8/6/100. [IJ54]

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