

FRANCESCO FOCACCI

EDUCATION

UNIVERSITY OF BOLOGNA Bologna, ITALY
Master Degree in Civil Engineering July 1995
Thesis: *Use of FRP bar in reinforced concrete structures*
Advisor: Prof. Angelo Di Tommaso

UNIVERSITY OF LECCE Lecce, ITALY
PhD in Composite materials in civil engineering July 1999

AWARDS AND HONORS

Editor's Choice of Journal of Composites for Construction (ASCE) of paper D'Antino T, Focacci F, Sneed LH, Pellegrino C. (2020) Shear Strength Model for RC Beams with U-Wrapped FRCM Composites. Journal of Composites for Construction 24(1), 2020.

Editor's Choice of Journal of Composites for Construction (ASCE) of paper Focacci F, D'Antino T, Carloni C. (2022) Tensile Testing of FRCM Coupons for Material Characterization: Discussion of Critical Aspects. Journal of Composites for Construction 26(41):04022039, 2022.

TEACHING EXPERIENCE

IUAV UNIVERSITY OF VENICE Venice, ITALY
Adjunct Professor September 2002-August 2006
Professor, Department of Architecture, course of Structural Assessment of Historical Buildings

UNIVERSITY FLORENCE Florence, ITALY
Adjunct Professor September 2009-August 2010
Professor, Department of Architecture, course of Technological construction design

ECAMPUS UNIVERSITY Novedrate, ITALY
Assistant Professor May 2010-July 2019
Faculty of Engineering, course of Theory of Structures
Faculty of Engineering, course of Structural Mechanics
Faculty of Engineering, course of Structural Rehabilitation
Faculty of Engineering, course of Structural Assessment
Associate Professor July 2019-August 2024
Faculty of Engineering, course of Structural Mechanics

Faculty of Engineering, course of Structural Rehabilitation
Faculty of Engineering, course of Structural Assessment
Full Professor

September 2025-Present

Department of Theoretical and Applied Sciences, course of Structural Mechanics
Department of Theoretical and Applied Sciences, course of Structural Rehabilitation
Department of Theoretical and Applied Sciences, course of Structural Assessment

TEACHING INTERESTS

Structural mechanics, Composite materials for structural strengthening, Masonry structures, Reinforced Concrete Structures, Earthquake Engineering

LEADERSHIP AND SERVICE

Coordinator of research activities, eCampus University, Faculty of Engineering, 2017-2024.

Coordinator of the Interdepartmental Research Committee, eCampus University, Faculty of Engineering, 2017-2024.

Member of the Academic Board of the PhD Science applied to wellness and sustainability, 2020-present.

Coordinator of the Academic Teaching Committee of the PhD Science applied to wellness and sustainability, 2020-present.

PROFESSIONAL EXPERIENCE

ECAMPUS UNIVERSITY

Novedrate, ITALY

International research projects

Coordinator of the MEDEA project, Multidimensional Seismic Risk Assessment Combining Structural Damages and Psychological consequences using explainable Artificial Intelligence, funded by the European Commission (Call UCPM-2022-PP), 2022-2024.

Member of the working team of the SAFE-LAND project, Mitigating the Risk of Flooding and Landslides via Artificial Intelligence with a view to extreme climate events, funded by the European Commission (Call UCPM-2023-KAPP-PREV), 2023-present.

National research projects

Coordinator of the ASThRO-Co project, Unified approach for improving structural and thermal response of masonry buildings with optimized sustainable composite materials, funded by the Italian Ministry of Research and University, 2023-present.

Coordinator of the eCampus research unit of DPC-ReLUIS projects, 2014-present.

Memberships

CNR-DT 200. Member of the working group for the revision of the guideline: Guide for the Design and Construction of Externally Bonded FRP Systems for Strengthening Existing Structures - CNR-DT 200 R1/2013, 2023-present.

ASTM Committee C09. Member of the ASTM Committee C09 on Concrete and Concrete Aggregates (C09.46 Shotcrete), 2019-present.

CNR-DT 215/2018. Member of the working group for drafting the guideline: Guide for the Design and Construction of Externally Bonded Fibre Reinforced Inorganic Matrix Systems for Strengthening Existing Structures - CNR-DT 215/2018, 2014-2018.

Rilem Technical Committee 250-CSM. Participation in the Round Robin Test organized by the Rilem Technical Committee 250-CSM, Composites for sustainable strengthening of masonry, 2014-2017.

Rilem Technical Committee 234-DUC. Member of the Rilem Technical Committee 234-DUC, Design procedures for the use of composites in strengthening of reinforced concrete structures, 2012-2016.

TECHNICAL SKILLS

Structural analysis, analytical modeling, numerical modeling.

PUBLICATIONS

Journal papers

Focacci F, Nanni A, Bakis CE. (2000) Local bond-slip relationship for FRP reinforcement in concrete. *Journal of Composites for Construction*, 4(1), 24-31. doi: 10.1061/(ASCE)1090-0268(2000)4:1(24)

Aiello MA, Focacci F, Nanni A. (2001) Effects of thermal loads on concrete cover of FRP reinforced elements: theoretical and experimental analysis. *ACI Materials Journal* 98(4), 332-339. doi: 10.14359/10402

Galati N, Nanni A, Dharanib LR, Focacci F, Aiello MA. (2006) Thermal effects on bond between FRP rebars and concrete. *Composites Part A: Applied Science and Manufacturing* 37(6), 1223-1230. doi:10.1016/j.compositesa.2005.05.043

D'Ambrisi A, Focacci F. (2011) Flexural strengthening of RC beams with cement-based composites. *Journal of Composites for Construction* 15(5), 707-720. doi: 10.1061/(ASCE)CC.1943-5614.0000218

D'Ambrisi A, Feo L, Focacci F. (2012) Bond-slip relations for PBO-FRCM materials externally bonded to concrete. *Composites Part B: Engineering* 43(8), 2938-2949. doi: 10.1016/j.compositesb.2012.06.002

D'Ambrisi A, Feo L, Focacci F. (2013) Experimental analysis on bond between PBO-FRCM strengthening materials and concrete. *Composites Part B: Engineering* 44(1), 524-532. doi: 10.1016/j.compositesb.2012.03.011

- D'Ambrisi A, Feo L, Focacci F. (2013) Experimental and analytical investigation on bond between Carbon-FRCM materials and masonry. *Composites Part B: Engineering*, 46, 15-20. doi: 10.1016/j.compositesb.2012.10.018
- Rovero L, Focacci F, Stipo G. (2013) Structural behavior of arch models strengthened using FRP strips of different lengths. *Journal of Composites for Construction* 17(2), 249-250. doi: 10.1061/(ASCE)CC.1943-5614.0000325
- D'Ambrisi A, Feo L, Focacci F. (2013) Masonry arches strengthened with composite unbonded tendons. *Composite Structures* 98, 323-329. doi: 10.1016/j.compstruct.2012.10.040
- D'Ambrisi A, Focacci F, Caporale A. (2013) Strengthening of masonry-unreinforced concrete railway bridges with PBO-FRCM materials. *Composite Structures* 102, 193-204. doi: 10.1016/j.compstruct.2013.03.002
- D'Ambrisi A, Focacci F, Luciano R. (2014) Experimental investigation on flexural behavior of timber beams repaired with CFRP plates. *Composite Structures* 108, 193-204. doi: 10.1016/j.compstruct.2013.10.005
- D'Ambrisi A, Focacci F, Luciano R, Alecci V, De Stefano M. (2015) Carbon-FRCM materials for structural upgrade of masonry arch road bridges. *Composites Part B: Engineering* 75, 355-366. doi: 10.1016/j.compositesb.2015.01.024
- Focacci F, Carloni C. (2015) Periodic Variation of the Transferable Load at the FRP-Masonry Interface. *Composite Structures* 129, 90-100 doi: 10.1016/j.compstruct.2015.03.008
- Focacci F, Foraboschi P, De Stefano M. (2015) Composite beam generally connected: Analytical model. *Composite Structures* 133, 1237-1248. doi: 10.1016/j.compstruct.2015.07.044
- Carloni C, Focacci F. (2016). FRP-Masonry Interfacial Debonding: An Energy Balance Approach to Determine the Influence of the Mortar Joints. *European Journal of Mechanics - A/Solids* 55,122-133. doi: 10.1016/j.euromechsol.2015.08.003
- Acciai A, D'Ambrisi A, De Stefano M, Feo L, Focacci F, Nudo R. (2016) Experimental response of FRP reinforced members without transverse reinforcement: failure modes and design issues. *Composites Part B: Engineering* 89, 307-407. doi: 10.1016/j.compositesb.2016.01.002
- Alecci V, Focacci F, Rovero L, Stipo G, De Stefano M. (2016) Extradados strengthening of brick masonry arches with PBO-FRCM composites: experimental and analytical investigations. *Composite Structures* 149, 184-196. doi: 10.1016/j.compstruct.2016.04.030
- Malena M, Focacci F, Carloni C, de Felice G. (2017) The effect of the shape of the cohesive material law on the stress transfer at the FRP-masonry interface. *Composites Part B: Engineering* 110, 368-380. doi: 10.1016/j.compositesb.2016.11.012
- Capani F, D'Ambrisi A, De Stefano M, Focacci F, Luciano R, Nudo R, Penna R. (2017) Experimental investigation on cyclic response of RC elements repaired by CFRP external reinforcing systems. *Composites Part B: Engineering* 112, 290-299. doi: 10.1016/j.compositesb.2017.06.018

- Caggegi C, Carozzi FG, De Santis S, Fabbrocino F, Focacci F, Hojdys Ł, Lanoye E, Zuccarino L. (2017) Experimental analysis on tensile and bond properties of PBO and aramid fabric reinforced cementitious matrix for strengthening masonry structures. *Composites Part B: Engineering* 127, 175-195. doi: 10.1016/j.compositesb.2017.05.048
- Carozzi FG, Bellini A, D'Antino T, de Felice G, Focacci F, Hojdys Ł, Laghi L, Lanoye E, Micelli F, Panizza M, Poggi C. (2017) Experimental investigation of tensile and bond properties of Carbon-FRCM composites for strengthening masonry elements. *Composites Part B: Engineering* 128, 100-119. doi: 10.1016/j.compositesb.2017.06.018
- Alecci V, Focacci F, Rovero L, Stipo G, De Stefano M. (2017) Intrados strengthening of brick masonry arches with different FRCM composites: Experimental and analytical investigations. *Composite Structures* 176, 898-909. doi: 10.1016/j.compstruct.2017.06.023
- Focacci F, D'Antino T, Carloni C, Sneed LH, Pellegrino C. (2017) An indirect method to calibrate the interfacial cohesive material law for FRCM-concrete joints. *Materials and Design* 128, 206-217. doi: 10.1016/j.matdes.2017.04.038
- Alecci V, De Stefano M, Focacci F, Luciano R, Rovero L, Stipo G. (2017) Strengthening masonry arches with lime-based mortar composite. *Buildings* 7(2). doi: 10.3390/buildings7020049
- Bencardino F, Carloni C, Condello A, Focacci F, Napoli A, Realfonzo R. (2018) Flexural behaviour of RC members strengthened with FRCM: State-of-the-art and predictive formulas. *Composites Part B: Engineering* 148, 132-148. doi: 10.1016/j.compositesb.2018.04.051
- Alecci V, Barducci S, D'Ambrisi A, De Stefano M, Focacci F, Luciano R, Penna R. (2019) Shear capacity of masonry panels repaired with composite materials: Experimental and analytical investigations. *Composites Part B: Engineering* 171, 61-69. doi: <https://doi.org/10.1016/j.compositesb.2019.04.013>
- Focacci F, Carloni C, De Stefano M. (2019) Approximate evaluation of the maximum force transferable at the FRP-masonry interface. *Journal of Composites for Construction* 23(6). doi: 10.1061/(ASCE)CC.1943-5614.0000977
- D'Antino T, Focacci F, Sneed LH, Carloni C. (2020). Relationship between the effective strain of PBO FRCM-strengthened RC beams and the debonding strain of direct shear tests. *Engineering Structures* 216, 110631. doi: 10.1016/j.engstruct.2020.110631
- D'Antino T, Focacci F, Sneed LH, Pellegrino C. (2020) Shear Strength Model for RC Beams with U-Wrapped FRCM Composites. *Journal of Composites for Construction* 24(1). doi: 10.1061/(ASCE)CC.1943-5614.0000986
- Santandrea M, Focacci F, Mazzotti C, Ubertini F, Carloni C. (2020) Determination of the interfacial cohesive material law for SRG composites bonded to a masonry substrate. *Engineering Failure Analysis* 111, 104322. doi: 10.1016/j.engfailanal.2019.104322
- Focacci F, D'Antino T, Carloni C. (2020) The role of the fiber–matrix interfacial properties on the tensile behavior of FRCM coupons. *Construction and Building Materials* 265, 120263. doi: 10.1016/j.conbuildmat.2020.120263

Cristofaro MT, D'Ambrisi A, Focacci F, Tanganelli M, De Stefano M. (2022) Beam tests for the determination of the interfacial properties of FRCM composites. *Case Studies in Construction Materials* 17:e01485. doi: 10.1016/j.cscm.2022.e01485

Zhao X, Rahman MM, D'Antino T, Focacci F, Carloni C. (2022) Effect of bonded length on the load response and failure mode of pull-out tests of GFRP bars embedded in concrete. *Construction and Building Materials* 347:128425. doi: 10.1016/j.conbuildmat.2022.128425

Rahman MM, Zhao X, D'Antino T, Focacci F, Carloni C. (2022) Fracture Behavior and Digital Image Analysis of GFRP Reinforced Concrete Notched Beams. *Materials* 15(17):5981. doi: 10.3390/ma15175981

Focacci F, D'Antino T, Carloni C. (2022) Tensile Testing of FRCM Coupons for Material Characterization: Discussion of Critical Aspects. *Journal of Composites for Construction* 26(41):04022039. doi: 10.1061/(ASCE)CC.1943-5614.0001223

Focacci F, Rahman MM, D'Antino T, Carloni C. (2024). FRP Strips Externally Bonded to Quasi-Brittle Substrates: Discussions and Advances of Open Research Topics. *Journal of Composites for Construction* 28(6):04024055. doi: 10.1061/JCCOF2.CCENG-4603

Focacci F, D'Antino T, Carloni C. (2024) Simplified Procedure to Determine the Cohesive Material Law of Fiber-Reinforced Cementitious Matrix (FRCM)-Substrate Joints. *Materials* 17(6):1627. doi: 10.3390/ma17071627

Rahman MM, Zhao X, D'Antino T, Focacci F, Carloni C. (2024) Digital image correlation and cracked hinge model applied to notched beams reinforced with GFRP bars. *Engineering Fracture Mechanics* 301:109965. doi: 10.1016/j.engfracmech.2024.109965

Bertolli V, Sneed LH, Focacci F, D'Antino T. (2025). Shear Strengthening of RC Beams with U-Wrapped FRCM Composites: State of the Art and Assessment of Available Analytical Models. *Journal of Composites for Construction* 29(1): 04024091. doi: 10.1061/JCCOF2.CCENG-4736.

Pistolesi F, Baldassini M, Volpe E, Focacci F, Cattoni E. (2025). Fast and interpretable prediction of seismic kinematics of flexible retaining walls in sand through explainable artificial intelligence. *Computers and Geotechnics* 179: 107007. doi: 10.1016/j.compgeo.2024.107007.

Rahman MM, Cope CT, Abavisani I, D'Antino T, Focacci F, Carloni C. (2025). Comprehensive study of GFRP bar-concrete bond behavior using pull-out and three-point bending tests. *Journal of Building Engineering* 108:112819. doi: 10.1016/j.jobbe.2025.112819.

International Conference papers

Di Tommaso A, Focacci F, Foraboschi P. (1996) Driven failure mechanisms in fiber - reinforced-plastic prestressed concrete beams for ductility requirements. *Proc. Second International Conference on Advanced composite materials in bridges and structures, Montréal, Québec (Canada), August 11-14, 1996, ISBN: 0921303645, pp. 281-288.*

Arduini M, Nanni A, Di Tommaso A, Focacci F. (1997) Shear response of continuous RC beams strengthened with carbon FRP sheets. *Proc. Third International Conference on Non-*

metallic (FRP) reinforcement for concrete structures, Sapporo (Japan), 14-15 October 1997, ISBN: 4931451004, pp. 459-466.

Nanni A, Focacci F, Cobb CA. (1998). Proposed procedure for the design of RC flexural members strengthened with FRP sheets. Proc. ICCI 98, Tucson, Arizona (USA) January 5-7, 1998, ISBN: 1890743011, pp. 187-201.

Focacci F, Nanni A, Farina F, Serra P, Canneti C. (1998) Repair and rehabilitation of an existing RC structure using CFRP sheets. Proc. ECCM-8, European Conference on Composites Materials, Naples (Italy), June 3-6, 1998, Cambridge: Woodhead Publishing Limited, ISBN: 1855733773, vol. 2, pp. 51-58.

Aiello MA, Focacci F, Nanni A, Huang PC. (1999) Cracking of concrete cover in FRP reinforced concrete elements under thermal loads. Proc. Fourth International Symposium on Fiber Reinforced Polymer Reinforcement for Reinforced Concrete Structures, FRPRCS4, Baltimore, USA, November 1999, Farmington Hills, MI, USA, ACI, ISBN: 9780870316876, pp. 233-243.

Di Tommaso A, Focacci F. (2001) Strengthening historical monuments with FRP: a design criteria review. Proc. Composites in Construction: a reality (ASCE), Capri (Italy), July 20-21, 2001, ASCE, American Society of Civil Engineers, ISBN: 9780784405963. doi: 10.1061/40596(264)24.

Focacci F, Mantegazza G. (2003). Non metallic (MCP) fibre reinforced concrete: experimental results and slabs on grade design aspects. Proc. 2nd International Specialty Conference on The conceptual approach to structural design. Milan (Italy), July 1-2, 2003.

Barbieri A, Di Tommaso A, Focacci F. (2004) Structural behavior of timber beams strengthened with FRP. Proc. Innovative materials and technologies for construction and restoration, Lecce (Italy), June 6-8, 2004, Liguori Editore, ISBN: 9788820736781.

Focacci F, Mantegazza G. (2004) Non metallic (MCP) fibre reinforced concrete: mechanical characterization and slabs on grade design aspects. Proc. BEFIB 2004 (RILEM PRO 39), Varenna (Italy), September 22-24, 2004, ISBN: 2-912143-51-9.

Barbieri A, Di Tommaso A, Focacci F. (2006) AFRP connector to prevent brittle debonding in FRP strengthened RC beams. Proc. 2nd fib Congress, Naples (Italy), June 5-8, 2006, ISBN: 888997205X.

Di Tommaso A, Focacci F, Mantegazza G, Gatti A. (2007) FRCM vs. FRP composites to strengthen rc beams: a comparative analysis. Proc. Fiber Reinforced Polymer Reinforcement for Concrete Structures, FRPRCS-8, Patras (Greece), July 16-18, 2007, ISBN: 9789608969100.

Focacci F. (2007) Fiber reinforced cementitious matrix (FRCM) materials to strengthen masonry vaults. Proc. IASS 2007, Venice (Italy), Dec. 3-6, 2007.

Di Tommaso A, Focacci F, Mantegazza G. (2008) PBO-FRCM composites to strengthen r.c. beams: mechanics of adhesion and efficiency. Proc. 4th International Conference on FRP Composites in Civil Engineering, CICE 2008, Zurigo (Switzerland), July, 22-24, 2008, ISBN: 9783905594508.

D'Ambrisi A, Focacci F. (2010) Shear strengthening of RC beams with PBO-FRCM composites. Proc. Advances and Trends in Structural Engineering, Mechanics and Computation, SEMC 2010, Cape Town (South Africa), September 6-8, Taylor & Francis Group, ISBN: 9780415584722.

D'Ambrisi A, Focacci F. (2010) Local bond slip relations of PBO-FRCM composites for strengthening RC members. Proc. Advances and Trends in Structural Engineering, Mechanics and Computation, SEMC 2010, Cape Town (South Africa), September 6-8, Taylor & Francis Group, ISBN: 9780415584722.

Di Tommaso A, Lancellotta R, Focacci F, Romaro F. (2012) Seismic capacity of the Ghirlandina Tower in Modena, Italy. Proc. 8th International Conference on Structural Analysis of Historical Constructions, SAHC 2012, Wroclaw (Poland), October 15-17, 2012, ISBN: 9788371252167.

Verbovszky S, Loretto G, De Luca A, Nanni A, Focacci F. (2012) Experimental analysis of twist-off and pull-off testing methodologies to measure the bond strength between GFRP and concrete. Proc. Fourth International Symposium: Bond in Concrete, Brescia (Italy), June 17-20, 2012, ISBN: 9788890707834.

Di Tommaso A, Lancellotta R, Sabia D, Costanzo D, Focacci F, Romaro F. (2013) Dynamic identification and seismic behaviour of the Ghirlandina tower in Modena (Italy). Proc. 2nd International Symposium on Geotechnical Engineering for the Preservation of Monuments and Historic Sites, Naples (Italy), May 30-31, 2013, ISBN: 978-113800055

Focacci F, Carloni C. (2014). A study of the fracture process at the FRP-masonry interface: The role of the periodic pattern of bricks and mortar joints. Proc. 4th International Conference on Mechanics of Masonry Structures Strengthened with Composite Materials, MuRiCO 2014, Ravenna (Italy), September 9-11, 2014. doi 10.4028/www.scientific.net/KEM.624.611

Alecci V, Focacci F, Rovero L, Stipo G, Mantegazza G, De Stefano M. (2017) FRCM composites for strengthening of brick masonry arches. Proc. 5th International Conference on Mechanics of Masonry Structures Strengthened with Composite Materials, MuRiCO 2017; Bologna (Italy), June 28-30, 2017. doi 10.4028/www.scientific.net/KEM.747.174

Di Tommaso A, Focacci F, Micelli F. (2017) Strengthening historical masonry with FRP or FRCM: Trends in design approach. Proc. 5th International Conference on Mechanics of Masonry Structures Strengthened with Composite Materials, MuRiCO 2017; Bologna (Italy), June 28-30, 2017. doi 10.4028/www.scientific.net/KEM.747.166

Siviero E, Comodini F, Focacci F. (2017) Philosophical Approaches for Conservation and Upgrade of the Cultural Heritage. Proc. 10th International Symposium on the Conservation of Monuments in the Mediterranean Basin, Athens (Greece), September 20-22, 2017. doi 10.1007/978-3-319-78093-1_5 6

De Felice G, Focacci F, Malena M, Tomaselli G, Valluzzi M.R. (2018) Design criteria for strengthening of masonry vaults with textile reinforced mortar. Proc. 9th International Conference on Fibre-Reinforced Polymer (FRP) Composites in Civil Engineering, CICE 2018, Paris (France), July 17-19, 2018.

Gonzalez-Libreros J, D'Antino T, Focacci F, Carloni C, Pellegrino C. (2019) Structural Repointing of Masonry Structures. Proc. International Conference on Mechanics of Masonry Structures strengthened with composite materials, MURICO6, Bologna (Italy) June26-28, 2019. doi 10.4028/www.scientific.net/KEM.817.412

Focacci F, D'Antino T, Carloni C. (2020) Analytical modelling of the tensile response of pbo-frcm composites. Proc. XXIV AIMETA Conference, Rome (Italy), Sept. 15-19, 2019. Lecture Notes in Mechanical Engineering, 527-536. doi: 10.1007/978-3-030-41057-5_43.

Cristofaro MT, D'Ambrisi A, Focacci F, Nudo R, Stipo G, Tanganelli M, De Stefano M. (2021) Debonding analysis of FRCM composites for structural upgrading of RC structures. Proc. 8th ECCOMAS Thematic Conference on Computational Methods in Structural Dynamics and Earthquake Engineering, COMPDYN 2021, Athens (Greece), June 27–30, 2021.

Focacci F, D'Antino T, Carloni C. (2022) Determination of the Matrix-Fiber Cohesive Material Law of FRCM-Concrete Joints. Proc. International Workshop on Engineering Materials for Sustainable Structures, EM4SS 2021. Key Engineering Materials 919 KEM:55 – 64. doi: 10.4028/p-366hdm

Focacci F, D'Antino T, Carloni C. (2022) Relationship between Results of Tensile Test of FRCM Composites and the Fiber-Matrix Bond Properties. Proc. 7th International Conference on Mechanics of Masonry Structures Strengthened with Composite Materials, MuRiCo 7 2021. Key Engineering Materials 916 KEM:417 – 424. doi 10.4028/p-5rwwlo

Focacci F, D'Antino T, Carloni C. (2022) Tensile Tests of FRCM Coupons: The Influence of the Fiber-Matrix Bond Properties. Proc. 10th International Conference on Fibre-Reinforced Polymer (FRP) Composites in Civil Engineering, CICE 2021. Lecture Notes in Civil Engineering 198 LNCE, 2008 – 2019. doi: 10.1007/978-3-030-88166-5_173

Focacci F, D'Antino T, Sneed LH, Carloni C. (2022) A Discussion of differences between bingle-lap tests and full-scale beam tests in Terms of FRCM-Concrete Debonding. Proc. 10th International Conference on Fibre-Reinforced Polymer (FRP) Composites in Civil Engineering, CICE 2021. Lecture Notes in Civil Engineering 198 LNCE, 609-620.

D'Antino T, Sneed LH, Focacci F. (2022) Estimation of the Shear Strength of RC Members with Externally Bonded, Fully-Wrapped FRCM Composites. Proc. 10th International Conference on FRP Composites in Civil Engineering. Lecture Notes in Civil Engineering 198 LNCE, 597 – 608. doi: 10.1007/978-3-030-88166-5_51.

Rahman MM, Zhao X, D'Antino T, Ameli Z, Focacci F, Carloni C. (2022). Preliminary Experimental Results of the Bond between GFRP Bars and Concrete. ACI Special Publication SP-356, 46–60. doi: 10.14359/51737246

Cope CT, Rahman MM, D'Antino T, Focacci F, Carloni C (2023) Pull-out test of FRP bars: the effect of the free end protruding portion of the bar. Proc. 11th International Conference on Fiber-Reinforced Polymer (FRP) Composites in Civil Engineering, CICE 2023, Rio de Janeiro (Brazil), July 23-26, 2023. doi 10.5281/zenodo.8109654

Rahman MM, Abavisani I, D'Antino T, Focacci F, Carloni C (2023) Bond Behavior between FRCM and masonry: a comparison between single-lap and tensile tests. Proc. 11th International Conference on Fiber-Reinforced Polymer (FRP) Composites in Civil

Engineering, CICE 2023, Rio de Janeiro (Brazil), July 23-26, 2023. doi 10.5281/zenodo.8164998

Cope CT, Rahman MM, Abavisani I, D'Antino T, Focacci F, Carloni C (2023) Static and fatigue behavior of concrete slabs reinforced with GFRP bars. Proc. 11th International Conference on Fiber-Reinforced Polymer (FRP) Composites in Civil Engineering, CICE 2023, Rio de Janeiro (Brazil), July 23-26, 2023. doi 10.5281/zenodo.8139502

Focacci F, Cope CT, Rahman MM, D'Antino T, Carloni C (2023) Calibration of the GFRP-concrete cohesive material law using pull-out tests. Proc. 11th International Conference on Fiber-Reinforced Polymer (FRP) Composites in Civil Engineering, CICE 2023, Rio de Janeiro (Brazil), July 23-26, 2023. doi 10.5281/zenodo.8109665

Zhao X, Rahman MM, D'Antino T, Focacci F, Carloni C (2023) Effect of the bar diameter on the load response of GFRP-concrete pull-out tests. Proc. 11th International Conference on Fiber-Reinforced Polymer (FRP) Composites in Civil Engineering, CICE 2023, Rio de Janeiro (Brazil), July 23-26, 2023. doi 10.5281/zenodo.8164781

Cope CT, Rahman MM, Focacci F, D'Antino T, Abavisani I, Carloni C. (2024). Quasi-Static and Fatigue Behavior of GFRP Bars Embedded in Concrete: A Comparison Between Pull-Out Tests and Flexural Tests of Slabs. Proc. 16th International Symposium on Fiber-Reinforced Polymer (FRP) Reinforcement for Concrete Structures, FRPRCS 2024, New Orleans (USA) March 24-28, 2024. ACI Special Publication SP-360. doi: 10.14359/51740658.

Alecci A, De Stefano M, Focacci F, Galassi S, Pugliese D, Stipo G. (2024). Experimental study on thermal matrix composite for seismic-energy upgrade of masonry buildings. Proc. 7th International Conference on Smart Monitoring, Assessment and Rehabilitation of Civil Structures, SMAR 2024, Salerno (Italy), September 4-6, 2024. Procedia Structural Integrity 64:1951-1958. doi: 10.1016/j.prostr.2024.09.267

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ANCEFERR (Associazione Nazionale Costruttori Ferroviari Riuniti). Invited lecture Compositi a matrice cementizia per il rinforzo di strutture e infrastrutture at the conference Guarire le infrastrutture italiane, Rome. 2019.

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