

EDOARDO BOCCI

C.so Garibaldi, 43 • Cingoli, ITALY 62011 • Phone # (+39) 338-4677744 •
edoardo.bocci@uniecampus.it

EDUCATION

POLYTECHNIC UNIVERSITY OF MARCHE

Ancona, ITALY

Doctor of Philosophy (PhD)

April 2014

Thesis: *Experimental Evaluation of the Adhesion at the Interface Between Pavement Layers and Orthotropic Steel Decks*

Advisor: Prof. Francesco Canestrari

POLYTECHNIC UNIVERSITY OF MARCHE

Ancona, ITALY

Master degree

December 2010

Thesis: *Experimental analysis of the structural compatibility at the interface between asphalt concrete layers and orthotropic steel decks*

Advisor: Prof. Francesco Canestrari

POLYTECHNIC UNIVERSITY OF MARCHE

Ancona, ITALY

Bachelor degree

July 2008

Thesis: *Water sensitivity of cement-stabilized road foundations*

Advisor: Prof. Francesco Canestrari

AWARDS AND HONORS

Michel T. Long Award 2017 “Best innovative idea” – International Congress on Transport Infrastructure and Systems. Paper: E. Bocci, F. Cardone, A. Grilli, “Mix design and volumetric analysis of hot recycled bituminous mixtures using a bio-additive”, April 10-12, Rome, 2017.

“Best paper award” by the ASTM Journal of Testing and Evaluation for the outstanding manuscript “Complex Modulus Testing and Rheological Modeling of Cold-Recycled Mixtures”, October 29, 2021.

“Achievement Award for Top-10 Most-Downloaded Articles in 2022” by the journal Materials and Structures for the article “Recommendation of RILEM TC 264 RAP on the evaluation of asphalt recycling agents for hot mix asphalt”, Mater Struct (2022) 55:31

TEACHING EXPERIENCE

UNIVERSITY E-CAMPUS

Novedrate, ITALY

Instructor, Department of Theoretical and Applied Sciences: Road design, University eCampus, Since 2014

Lectures and on-site programs

Instructor, Department of Theoretical and Applied Sciences: Theory of Transportation Systems, University eCampus, Since 2014
Lectures and on-site programs

Instructor, Department of Theoretical and Applied Sciences: Fundamentals on Road Infrastructures, University eCampus, Since 2017
Lectures and on-site programs

Instructor, Department of Theoretical and Applied Sciences: Legislation of Public Works, University eCampus, Since 2014-2017
Lectures and on-site programs

TEACHING INTERESTS

List as geometrical and structural design of road infrastructures, characterization of materials for road construction, logistic of transportation systems (roads, railways and airports), management and maintenance of road networks

LEADERSHIP AND SERVICE

President of the teachers-students joint committee in “Theoretic and Applied Sciences”, University eCampus, since 2019

Member of the Permanent Teaching Committee, University eCampus, since 2019

Member of the Board of Professors of the PhD Program on Sciences related to Welfare and Sustainability, University eCampus, since 2020

PROFESSIONAL EXPERIENCE

ECOPNEUS SCPA

Milano, Italy

Consultant

May 2014-November 2015

Study of fatigue behaviour and damage propagation on Asphalt Rubber bituminous mixtures

FERRIERE NORD S.P.A.

Udine, Italy

Consultant

April 2017-October 2017

Study of the possibility of using filler from ladle slags in hot bituminous mixtures

VALLI ZABBAN S.P.A.

Firenze, Italy

Consultant

October 2021-March 2022

Study of a bituminous mixture including Hard Plus modified binder through a full-scale trial

COOPERATIVA BRACCIANTI RIMINESE**Rimini, Italy****Consultant**

October 2021-March 2022

Design of a road pavement including recycled materials, within the project of the network linked to A14 Motorway, Rimini Nord-Cattolica Section

SPINELLI & MANNOCCHI S.R.L.**Perugia, Italy****Consultant**

September 2022-November 2022

Proposal of technical innovations and pavement design of the national road S.S.78 – Sarnano-Amandola

AEROPORTI DI ROMA S.P.A.**Fiumicino, Italy****Consultant**

January 2023-Novembre 2023

Scientific support aimed at the application on trial sections of hot bituminous mixtures for base and binder layers with high contents of reclaimed asphalt

VALLI ZABBAN S.P.A.**Firenze, Italy****Consultant**

March 2025-present

Scientific support for the optimization of porous asphalt mixtures with high mechanical and acoustic performances

National research projects

January 2022-August 2022

Scientific referee for Università eCampus in Single Use PPE Reinforced Asphalts (SUPRA) research Project, funded by the Italian Ministry of Ecological Transition within the “Bando per il finanziamento di attività di ricerca volta alla riduzione dei rifiuti prodotti da plastica monouso - Edizione 2021”, partners Università della Tuscia, Università eCampus, Università di Bergamo

Memberships

Member of RILEM (International union of laboratory and experts in constructions materials, systems and structures) Technical Committee TC 308-PAR, TG2 on Long Term Performance Evaluation of Warm Mixes with Recycling, TG Leader: Mayca Rubio Gamez, University of Granada, Spain (2022-present).

Member of RILEM (International union of laboratory and experts in constructions materials, systems and structures) Technical Committee TC 264-RAP, TG2 on Non-Cold Recycling, TG Leader: Paul Marsac, IFSTTAR France (2016-2021).

Member of RILEM (International union of laboratory and experts in constructions materials, systems and structures) Technical Committee TC 264-RAP, TG3 on Asphalt binder and additives for RA, TG Leader: Martin Hugener, EMPA Switzerland (2016-2021).

TECHNICAL SKILLS

Italian native speaker, good knowledge of English, basic knowledge of French and Spanish, excellent mastery of Microsoft Windows and Microsoft Office Tools, good mastery of CAD design softwares

PUBLICATIONS

- E. Bocci, F. Canestrari, "Experimental Analysis of Structural Compatibility at the Interface between Asphalt Concrete Pavements and Orthotropic Steel Deck Bridges" - Transportation Research Record, No. 2293 Vol.1, 2012. DOI 10.3141/2293-01
- Grilli, F. Cardone, E. Bocci, "Influence of reclaimed asphalt on mechanical characteristics of cement-bitumen treated mixtures" – 2nd International Symposium on Asphalt Pavements and Environment, ISAP TC APE, Fortaleza, Brazil, 2012.
- Grilli, E. Bocci, A. Graziani, "Influence of reclaimed asphalt content on the mechanical behavior of cement-treated mixtures", International Journal of Road Materials and Pavement Design, Vol.14, Issue 3, pp. 666-678, 2013. DOI 10.1080/14680629.2013.794367
- E. Bocci, F. Canestrari, "Experimental evaluation of the shear resistance of improved steel-asphalt interfaces", Transportation Research Record, No. 2370, pp. 145-150, 2013. DOI 10.3141/2370-18
- E. Bocci, M. Bocci, "Clear asphalt concrete for energy saving in road tunnels", presented at 12th ISAP Conference on Asphalt Pavements, Raleigh - North Carolina (USA), 2014. DOI 10.1201/b17219-219
- D. Turci, A. Grilli, E. Bocci, "Nuove applicazioni per le vernici rifrangenti", Ingenio, No. 23, 2014
- Graziani, E. Bocci, F. Canestrari, "Bulk and shear characterization of bituminous mixtures in the linear viscoelastic domain", Mechanics of Time-Dependent Materials, Vol. 18, Issue 3, pp 527-554, 2014. DOI 10.1007/s11043-014-9240-x
- E. Bocci, F. Canestrari, A. Graziani, "Mechanical 3D Characterization of Epoxy Asphalt Concrete for Pavement Layers of Orthotropic Steel Decks", Construction and Building Materials, Vol. 79, pp. 145–152, 2015. DOI 10.1016/j.conbuildmat.2014.12.120
- L. Riderelli, E. Bocci, M. Bocci, G. Fava, "Airborne Pollutant inside a Highway Tunnel Coated with a Photocatalytic Mortar", Energy and Environmental Engineering, Vol. 3, Issue 2, pp. 23-31, 2015. DOI 10.13189/eee.2015.030202
- E. Bocci, G. Cerni, F. Colagrande, "Mechanical Behaviour of Asphalt Concrete Containing C&D Recycled Materials", 8th International RILEM-SIB Symposium, Ancona, October 2015. DOI 10.1007/978-94-017-7342-3_45
- Grilli, E. Bocci, M. Bocci, "Hot recycling of reclaimed asphalt using a bio-based additive", 8th International RILEM-SIB Symposium, Ancona, October 2015. DOI 10.1007/978-94-017-7342-3_76
- Grilli, A. Graziani, E. Bocci, M. Bocci, "Volumetric properties and influence of water content on the compactability of cold recycled mixtures", Materials and Structures, Vol. 49, Issue 10, pp. 4349-4362, 2016. DOI 10.1617/s11527-016-0792-x
- E. Bocci, L. Riderelli, G. Fava, M. Bocci, "Durability of NO oxidation effectiveness of pavement surfaces treated with photocatalytic titanium dioxide", Arabian Journal for Science and Engineering, Vol. 41, pp. 4827–4833, 2016. DOI 10.1007/s13369-016-2168-5
- E. Bocci, A. Grilli, M. Bocci, V. Gomes, "Recycling of high percentages of reclaimed asphalt using a biorejuvenator – a case study", Eurasphalt & Eurobitume Congress, Prague, 1-3 June 2016.
- Graziani, C. Godenzoni, F. Cardone, E. Bocci, M. Bocci, "An application of the Michaelis-Menten model to analyse the curing process of cold-recycled bituminous mixtures",

International Journal of Pavement Research and Technology, Vol. 10, Issue 1, pp. 62-74, 2017. DOI 10.1016/j.ijprt.2016.09.002

- G. Cerni, E. Bocci, F. Cardone, A. Corradini, "Correlation between asphalt mixture stiffness determined through static and dynamic indirect tensile tests", *Arabian Journal for Science and Engineering*, Vol. 42, Issue 3, pp. 1295 – 1303, 2017. DOI 10.1007/s13369-016-2380-3
- E. Bocci, C. Cardone, A. Grilli, "Mix design and volumetric analysis of hot recycled bituminous mixtures using a bio-additive", *AIIT International Congress on Transport Infrastructure and Systems*, Rome, Italy, 10-12 April 2017, pp. 267-274. DOI 10.1201/9781315281896-37
- Godenzoni, A. Graziani, M. Bocci, A. Grilli, E. Bocci, "Instrumented test section for analyzing the curing process of cold-recycled mixtures", *Bearing Capacity of Roads, Railways and Airfields*, Athens, Greece, 28-30 June 2017, pp. 1275–1282. DOI:10.1201/9781315100333-184
- Godenzoni, A. Graziani, E. Bocci, M. Bocci, "The evolution of the mechanical behaviour of cold recycled mixtures stabilized with cement and bitumen: field and laboratory study", *Road Materials and Pavement Design*, Vol. 19(4), pp. 856-877, 2018. DOI 10.1080/14680629.2017.1279073
- Bocci, "Use of Ladle Furnace Slag as Filler in Hot Asphalt Mixtures", *Construction and Building Materials*, Vol. 161, pp. 156–164, 2018. DOI 10.1016/j.conbuildmat.2017.11.120
- Grilli, F. Cardone, E. Bocci, "Mechanical behavior of cement-bitumen treated materials containing different amounts of reclaimed asphalt", *European Journal of Environmental and Civil Engineering*, Vol. 22 (7), pp. 836-851, 2018. DOI 10.1080/19648189.2016.1219972
- G. Mazzoni, E. Bocci, F. Canestrari, "Influence of rejuvenators on bitumen ageing in hot recycled asphalt mixtures", *Journal of Traffic and Transportation Engineering (English Version)*, Vol. 5, Issue 3, pp. 157-168, 2018. DOI: 10.1016/j.jtte.2018.01.001
- Graziani, C. Mignini, E. Bocci, M. Bocci, "Complex Modulus of Cold Recycled Mixtures: measurement and modelling", *proceedings of ISAP Conference 2018, Fortaleza (Brazil)*, 19-21 June 2018.
- Bocci, G. Mazzoni, F. Canestrari, "Ageing of rejuvenated bitumen in hot recycled bituminous mixtures: influence of bitumen origin and additive type", *Road Materials and Pavement Design*, special issue for 5th EATA Conference, 20:sup1, S127-S148, 2019. DOI: 10.1080/14680629.2019.1587492
- Graziani, C. Mignini, E. Bocci, M. Bocci, "Complex modulus testing and rheological modelling of cold recycled mixtures", *ASTM Journal of Testing and Evaluation*, Vol. 48, Issue 1, 2019. DOI: 10.1520/JTE20180905
- Bocci, A. Graziani, M. Bocci, "Cold in-place recycling for a base layer of an Italian high-traffic highway", In: Pasetto M., Partl M., Tebaldi G. (eds) *Proceedings of the 5th International Symposium on Asphalt Pavements & Environment (APE). ISAP APE 2019. Lecture Notes in Civil Engineering*, vol 48, pp. 313-322, 2019. DOI: 10.1007/978-3-030-29779-4_31
- E. Bocci, E. Prosperi, "Recycling of reclaimed fibers from end-of-life tires in hot mix asphalt", *Journal of Traffic and Transportation Engineering (English Version)*, Vol. 7, Issue 5, pp. 678-687, 2020. DOI: 10.1016/j.jtte.2019.09.006.

- L. Porot, M. Hugener, A. Cannone Falchetto, A. Kawakami, B. Hofko, A. Grilli, E. Pasquini, M. Pasetto, H. Tabatabaee, H. Zhai, M. S. da Costa, P. Kara, W. Van den bergh, E. Bocci, F. Cardone, A. Carter, K. Vasconcelos, X. Carbonneau, G. Mladenovic, M. Orešković, T. Koudelka, Z. Runhua, E. Dave, G. Tebaldi, “Aging of rejuvenated RAP binder – a RILEM inter-laboratory study”, 7th E&E Congress, Madrid, Spain, June 2020.
- D. Landi, M. Marconi, E. Bocci, M. Germani, “Comparative life cycle assessment of standard, cellulose-reinforced and end of life tires fiber-reinforced hot mix asphalt mixtures”, *Journal of Cleaner Production*, Vol. 248, 2020. DOI: 10.1016/j.jclepro.2019.119295.
- E. Bocci, E. Prosperi, P. Marsac, “Rheological modelling of the bitumen from reclaimed asphalt with rejuvenation and re-ageing”, *Proceeding of the RILEM International Symposium of Bituminous Materials*, RILEM Bookseries, Vol. 27, pp. 1579-1585, 2022. DOI: 10.1007/978-3-030-46455-4_200
- D. Wang, A. Cannone Falchetto, M. Hugener, L. Porot, A. Kawakami, B. Hofko, A. Grilli, E. Pasquini, M. Pasetto, H. Tabatabaee, H. Zhai, M. S. da Costa, H. Soenen, P. Kara, W. Van den bergh, F. Cardone, A. Carter, K. Vasconcelos, X. Carbonneau, A. Lorserie, G. Mladenovic, M. Orešković, T. Koudelka, P. Coufalik, E. Bocci, R. Zhang, E. Dave, G. Tebaldi, “Effect of Aging on the Rheological Properties of Blends of Virgin and Rejuvenated RA Binders”, *Proceeding of the RILEM International Symposium of Bituminous Materials*, RILEM Bookseries. Vol. 27, pp. 3-10, 2022. DOI: 10.1007/978-3-030-46455-4_1
- P. Marsac, E. Bocci, F. Cardone, A. Cannone Falchetto, X. Carbonneau, M. Zaumanis, A. Carter, C. Rubio-Gámez, M. Del Sol Sánchez, E. Dave, G. Tebaldi, “International evaluation of the performance of Warm Mix Asphalts with high Reclaimed Asphalt content”, *Proceeding of the RILEM International Symposium of Bituminous Materials*, RILEM Bookseries, Vol. 27, pp. 19-25, 2022. DOI: 10.1007/978-3-030-46455-4_3
- E. Bocci, E. Prosperi, V. Mair, M. Bocci, “Ageing and cooling of hot-mix-asphalt during hauling and paving - A Laboratory and Site Study”, *Sustainability*, 12(20), Special Issue on Sustainable Pavement Engineering and Road Materials, 8612, 2020. DOI: 10.3390/su12208612
- E. Bocci, M. Prosperi, “Analysis of different reclaimed asphalt pavements to assess the validity and potentiality of RILEM cohesion test”, *Materials and Structures*, Vol. 53, Issue 5, pp.117, 2020. DOI 10.1617/s11527-020-01551-3.
- Carpani, E. Bocci, M. Bocci, “Rheological and performance characterization of the bitumen recovered from different emulsions for cold mixtures”, *Road Materials and Pavement Design*, 22:sup1, pp. S214-S231, 2021. DOI: 10.1080/14680629.2021.1906735.
- E. Prosperi, E. Bocci, M. Bocci, “Evaluation of the rejuvenating effect of different additives on bituminous mixtures including hot-recycled RA as a function of the production temperature”, *Road Materials and Pavement Design*, 23:12, 2798-2817, 2022. DOI:10.1080/14680629.2021.2002179.
- E. Bocci, E. Prosperi, P. Marsac, “Evolution of rheological parameters and apparent molecular weight distribution in the bitumen from reclaimed asphalt with rejuvenation and re-ageing”, *Road Materials and Pavement Design*, 23:sup1, 16-35, 2022. DOI: 10.1080/14680629.2021.1994449

- E. Prosperi, E. Bocci, “A review on bitumen aging and rejuvenation chemistry: processes, materials and analyses”, *Sustainability*, Vol. 13, Special Issue on Sustainable Pavement Engineering and Road Materials, 6523, 2021. DOI: 10.3390/su13126523
- E. Bocci, “Sustainable Pavement Engineering and Road Materials”, *Sustainability*, Vol. 14(4), Editorial of the Special Issue on Sustainable Pavement Engineering and Road Materials, 2166, 2022. DOI: 10.3390/su14042166
- M. Hugener, D. Wang, A. Cannone Falchetto, L. Porot, P. Kara de Maeijer, M. Orešković, M. Sa da Costa, H. Tabatabaee, E. Bocci, A. Kawakami, B. Hofko, A. Grilli, E. Pasquini, M. Pasetto, H. Zhai, H. Soenen, W. Van den bergh, F. Cardone, A. Carter, K. Vasconcelos, X. Carbonneau, A. Lorserie, G. Mladenovic, , T. Koudelka, P. Coufalik, R. Zhang, E. Dave, G. Tebaldi, “Recommendation of RILEM TC 264 RAP on the evaluation of asphalt recycling agents for hot mix asphalt”, *Materials and Structures/Materiaux et Constructions*, Vol. 55, Issue 2, Article number 31, 2022, DOI: 10.1617/s11527-021-01837-0
- E. Bocci, E. Prosperi, M. Bocci, “Evaluation of Binder-Aggregate Adhesion in Hot-Recycled Asphalt Mixtures as a Function of the Production Temperature”, *Engineering Proceedings*, Vol. 17(9), 2022. DOI: 10.3390/engproc2022017009
- E. Bocci, T. Caraffa, A. Stimilli, M. Bocci, “Waste Plastic as Potential High-Value Solution for Asphalt Road Applications”, 9th Symposium on Pavement Surface Characteristics, Milano, Italy, September 12-14, 2022
- E. Prosperi, E. Bocci, M. Bocci, “Effect of Bitumen Production Process and Mix Heating Temperature on the Rheological Properties of Hot Recycled Mix Asphalt”, *Sustainability*, Vol. 14(15), Special Issue on Pavement Materials and Sustainability, 9677, 2022. DOI: 10.3390/su14159677
- C. Carpani, E. Bocci, E. Prosperi, M. Bocci, “Evaluation of the rheological and performance behaviour of bitumen modified with compounds including crumb rubber from waste tires”, *Construction and Building Materials*, Vol. 36126, Article number 129679, 2022. DOI: 10.1016/j.conbuildmat.2022.129679
- E. Bocci, E. Prosperi, M. Bocci, “Influence of the hot-mix asphalt production temperature on the effectiveness of the reclaimed asphalt rejuvenation process”, *Infrastructures*, IOCI 2022 Special Issue Session 4: Materials and Sustainability, Vol. 8(1), pp. 8, 2023. DOI: 10.3390/infrastructures8010008.
- E. Bocci, E. Prosperi, M. Bocci, “Rheological Modeling of Bituminous Mixtures Including Polymer-Modified Binder and Fine Crumb Rubber Added through Dry Process”, *Materials*, Vol. 16, Special Issue Advances in Sustainable Asphalt Pavements, pp. 310-323, 2023. DOI: 10.3390/ma16010310
- M. Marconi, D. Landi, E. Bocci, G. Pietroni, E.M. Mosconi, “Single Use Personal Protective Equipment Reinforced Asphalt”, *Procedia CIRP*, Vol. 116, pp. 107 – 112, 30th CIRP Life Cycle Engineering Conference, LCE 2023, New Brunswick, 15-17 May 2023. 10.1016/j.procir.2023.02.019
- Landi, M. Marconi, E. Bocci, M. Gianvincenzi, C. Spreafico, “Reuse of end-of-life personal protective equipment in hot asphalt mixtures: an environmental evaluation”, *Procedia CIRP*, Vol. 116, pp. 420-425, 30th CIRP Life Cycle Engineering Conference, LCE 2023, New Brunswick, 15-17 May 2023. 10.1016/j.procir.2023.02.071
- Bocci, E. Prosperi, “Recyclability of reclaimed asphalt rubber pavement”, *Construction and Building Materials*, Vol. 403, Article number 133040, 2023. 10.1016/j.conbuildmat.2023.133040

- Carpani, E. Bocci, M. Bocci, “Characterization of Cold Recycled Asphalt Mixtures including Reinforcing Fibers”, Sustainability, Vol. 15, Article number 16209, 2023. 10.3390/su152316209
- E. Bocci, C. Carpani, E. Prosperi, “The use of highly modified asphalt and rejuvenator to restore the rheological and mechanical properties of aged polymer-modified bitumen”, 14th ISAP Conference, Montreal, Canada, 2-6 June 2024
- C. Carpani, E. Bocci, M. Bocci, “Rheological and performance characterization of cold bituminous mastics made with different bitumen emulsions and mineral fillers”, Road Materials and Pavement Design, Vol. 26(sup1), pp. 633-653, 2025. 10.1080/14680629.2025.2494077
- E. Bocci, C. Carpani, E. Prosperi, G. Marchegiani, “Use of high polymer-modified bitumen for compensating the presence of degraded SBS in the blends of aged and virgin polymer-modified bitumen: a laboratory study on the binder scale”, submitted to Road Materials and Pavement Design.
- E. Prosperi, E. Bocci, G. Marchegiani, “Influence of the bitumen nature and the production conditions on the mechanical and chemical properties of asphalt mixtures containing RAP”, in preparation
- C. Carpani, E. Bocci, G. Marchegiani, M. Bocci, “Asphalt concretes including bitumen modified with compounds based on crumb rubber from waste tires: a laboratory and field study”, in preparation

PRESENTATIONS

- Clear asphalt concrete for energy saving in road tunnels, 12th ISAP Conference on Asphalt Pavements, Raleigh (North Carolina), USA, 1-5 June 2014, Conference Presentation.
- Mechanical Behaviour of Asphalt Concrete Containing C&D Recycled Materials, 8th International RILEM-SIB Symposium, Ancona, Italy, 7-9 October 2015, Conference Presentation.
- Hot recycling of reclaimed asphalt using a tall oil-based additive, 8th International RILEM-SIB Symposium, Ancona, Italy, 7-9 October 2015, Conference Presentation.
- Mix design and volumetric analysis of hot recycled bituminous mixtures using a bio-additive, AIIT International Congress on Transport Infrastructure and Systems (TIS 2017), Rome, Italy, 10-12 April 2017, Conference Presentation.
- Instrumented test section for analyzing the curing process of cold-recycled mixtures, International Conference on Bearing Capacity of Roads, Railways and Airfields, Athens, Greece, 28-30 June 2017, Conference Presentation.
- The new frontier of pavement engineering for urban roads, Lecture at 1st SAFERUP! Week SCRUM, Bologna, Italy, 4 April 2019. Convention Presentation
- Ageing of rejuvenated bitumen in hot recycled bituminous mixtures: influence of bitumen origin and additive type, 5th EATA Conference, Granada, Spain, 3-5 June 2019, Conference Presentation.
- Rheological modelling of the bitumen from reclaimed asphalt with rejuvenation and re-ageing, International Symposium on Bituminous Materials, Lyon, France, 14-16 December 2020, Conference Presentation
- Evaluation of Binder-Aggregate Adhesion in Hot-Recycled Asphalt Mixtures as a Function of the Production Temperature, 1st International Online Conference on Infrastructures, 7-9 June 2022, Conference Presentation.

- Advanced Materials and Techniques in Road Construction and Pavement Engineering, Short Course on Road Construction in Urban and Rural Context, Brescia, 14 May 2014, Workshop Presentation
- Road pavements and asphalt concretes, Education course on road pavements and hot bituminous mixtures, PAV.I. S.r.l., Foligno, 30-31 January 2015, Workshop Presentation.
- Innovative materials for road pavements, COBIT Asfalti S.r.l., Grottazzolina (FM), 19 February 2016, Workshop Presentation.
- Performance improvement of bituminous mixtures including fibers from end-of-life tires, Seminar on Maintenance Management of Roads and Use of By-Products from End-of-Life Tires: Crumb Rubber and Fibers of Cloth, Chieti, Italy, 29 September 2016, Workshop Presentation.
- Mechanical properties of EVIzero binder and mixtures produced with EVIzero binder, Asphaltica, Verona, Italy, 24 February 2017, Workshop Presentation
- Performance improvement of bituminous mixtures including fibers from end-of-life tires, Seminar on Maintenance Management of Roads and Use of By-Products from End-of-Life Tires: Crumb Rubber and Fibers of Cloth, Macerata, 21 April 2017, Workshop Presentation-
- Performance improvement of bituminous mixtures including fibers from end-of-life tires, Workshop on Road Maintenance, Use of Recycled Cloth from End-of-Life Tires, Rome, Italy, 10 May 2018, Workshop Presentation
- Performance improvement of bituminous mixtures including fibers from end-of-life tires, Project REFIBRE – Final Congress, Fermo, Italy, 5 July 2018. Workshop Presentation.
- Monitoring of the structural and functional properties of road pavements, Seminar on Monitoring and Maintenance of Infrastructures, Terni, Italy, 11 October 2018. Workshop Presentation
- Road pavements: the correct construction protocol and the innovative solutions, Education Course for Construction Companies and Professional Engineers, Perugia, Italy, 9-12 April 2019. Workshop Presentation
- Performance comparison between asphalt mixtures including RAP and different types of additives, Asphaltica, Verona, Italy, 26 November 2021. Workshop Presentation
- Experimental analysis of the performance of bituminous mixtures with Drenoval PBT binder: trial section validation, Asphaltica, Verona, Italy, 26 November 2021. Workshop Presentation
- Bitumen modified with compounds including SBS and crumb rubber from end-of-life tire, Asphaltica, Verona, Italy, 26 November 2021. Workshop Presentation
- Italy as a leader in the research on asphalt mixtures including recycled crumb rubber; the most recent innovation and technologies, Asphaltica, Verona, Italy, 5 May 2023. Workshop Presentation
- Restoring the rheological and elastic properties of SBS-modified bitumen in hot recycling of reclaimed asphalt, Asphaltica, Verona, Italy, 5 May 2023. Workshop Presentation
- The use of innovative binders for a greater sustainability of road pavements, Asphaltica, Verona, Italy, 5 May 2023. Workshop Presentation

POSTERS

- Experimental analysis of structural compatibility at the interface between asphalt concrete pavements and orthotropic steel deck bridges, 91st TRB Annual Meeting, Washington D.C., USA, 22-26 January 2012, Conference Poster.
- Experimental evaluation of the shear resistance of improved steel-asphalt interfaces, 92nd TRB Annual Meeting, Washington D.C., USA, 13-17 January 2013, Conference Poster.
- Cold in-place recycling for a base layer of an Italian high-traffic highway, ISAP APE Conference 2019, Padua, Italy, 11-13 September 2019, Conference Presentation.