

PERSONAL DATA

Born in Perugia (I), 17/11/1974.

Five Years Programme Degree in Civil Engineering *cum laude* (Perugia, 1999).

Visiting Scholar at the "University of Michigan" from September to December 2002.

Philosophy Doctor at University of Perugia, January 2004.

CURRENT POSITION

Assistant Professor in the field of Structural Engineering since 2006 at Department of Civil and Environmental Engineering, University of Perugia, Italy.

INSTITUTIONAL ACTIVITY

Member of the Engineering Faculty Council as representative of Assistant professors (2009 - 2014);

Member of the Council in Civil Engineering (2006 - present).

Delegate for Job Placement at the Department of Civil and Environmental Engineering, University of Perugia, Italy.

Member of the monitoring working group on the building stock of the University of Perugia.

ACADEMIC CAREER

- November 2006: Researcher Scientific area ICAR 09 - Structural Engineering, Department of Civil and Environmental Engineering Faculty of Engineering of Perugia;
- January 2004: PhD in Structural Engineering (Cycle XVI) at the Department of Civil and Environmental Engineering Faculty of Engineering of Perugia with a thesis on "Application of dynamic methods in the safety of existing bridges made of structural concrete";
- September, 2002 - December 2002: Visiting Scholar at the Department of Civil and Environmental Engineering at the University of Michigan - Ann Arbor (USA);
- October 2000 - October 2003: PhD in Structural Engineering (Cycle XVI) at the Department of Civil and Environmental Engineering Faculty of Engineering of Perugia;
- July 1999: Degree in Engineering (degree in Civil Engineering, Structural address) from the Faculty of Engineering, University of Perugia with 110/110 *cum laude*, thesis: "Design of an aluminum cable-stayed mast for testing active control devices", supervisor Prof. AL Materazzi;

OFFICIAL TEACHING ACTIVITIES

- Academic years 2009/10, 2010/11, 2011/12, 2012/13, 2013/14, 2014/15: Course “Structural Engineering”;
- Academic years 2009/10, 2010/11, 2011/12: Course “Laboratory of Structural Engineering”;
- Academic years 2006/07, 2007/08 and 2009/09: Course “Experimental tests and control of civil structures”;
- Years 2002 and 2003: professional course “Diagnosis and safety of masonry buildings” held at various locations with the theme “Impact of environmental vibration source on the constructions”.

OTHER TEACHING ACTIVITIES

- Coordinator of the course on “Aspects of design and construction in the industrialized building” at the Department of Civil and Environmental Engineering, University of Perugia, Italy.
- Academic years 2001/02, 2002/03, 2003/04 and 2004/05 auditor for the projects developed by students during the course of the Design of structures held at the Faculty of Engineering of Perugia by Prof. AL Materazzi;
- Academic years from 2005/06 to date teaching assistant for the courses of Structural Engineering I and II held at the Faculty of Engineering of Perugia by Prof. AL Materazzi.

RESEARCH

Participation in national and international research projects

- Participation in the 2004 PRIN (Research projects of significant national interest) research program “*VINCES - Vibrations in Civil Engineering Structures: source of damage and discomfort, diagnostic and safety assessment tool*” coordinated by prof. A.L. Materazzi (University of Perugia). Local unit founding € 49700.
- Research project founded by the Fondazione Cassa di Risparmio di Perugia on “Feasibility study of the re-use in the construction of the sludge produced during the crushing and washing of aggregates”, 2005. Founding € 50226.
- Participation in the 2006 PRIN (Research projects of significant national interest) research program “*Health assessment and monitoring of civil engineering structures through advanced dynamics methods*” coordinated by prof. A.L. Materazzi (University of Perugia). Local unit founding € 60429.
- Israel-Italy Joint Innovation Program for Industrial, Scientific and Technological Cooperation in R&D, 2013, research program “Production of Recycled Aggregate from construction and demolition waste using Yutkin's Shock waves (RAYS)”, Local unit founding € 102000.

Research interests

- recycled aggregate concrete;
- safety assessment of existing reinforced concrete structures by means of NDT;
- identification of damage in reinforced concrete structures through dynamic tests;
- assessment of structural damage and annoyance induced by ambient vibrations;

- evaluation of the fire resistance of reinforced concrete structure;
- active control of flexible structures.

UPDATE AND SPECIALIZED COURSES

- February 2008: Participation in the course "TC2: Nonlinear Dynamics and Control of Structural and Mechanical Systems" held at the University of Technologies, Vienna (A);
- March 2003: participation to the course "Structures Composed in New Construction in recoveries and Bridges: Advanced Technical Design" held at the CISM - Udine;
- September 2002 - December 2002: Participation in the course "Bridge Design" held by prof. A. Nowak from the University of Michigan - Ann Arbor (USA);
- September 2002 - December 2002: Participation in the course "prestressed Concrete" held by prof. A. Naaman at the University of Michigan - Ann Arbor (USA);
- September 2002 - December 2002: Participation to the course "Design of Advanced Concrete Structures" held by prof. J. Wight, University of Michigan - Ann Arbor (USA);
- November 2001: participation at the conference "The fracture mechanics in concrete high-performance" held at the University of Brescia - Brescia
- July 2001: participation at the conference "Structural Dynamics of phenomena, methods, observations and models", held at the Faculty of Engineering, University of Rome "La Sapienza" - Rome.

REFEREE FOR INTERNATIONAL JOURNALS

- Engineering Structures (Elsevier)
- Construction and Building Materials (Elsevier)
- Structural Engineering International (IABSE)
- Non-destructive Testing and Evaluation (Taylor and Francis)
- PCI Journal (PCI)
- Journal of Zhejiang University-SCIENCE A – Applied Physics and Engineering
- IJEMS – Indian Journal of Engineering & Materials Science
- Materials Research Innovations
- Engineering optimization
- Journal of Building Engineering
- Structural concrete
- Advances in Materials Science and Engineering
- ASTM Journal of Testing and Evaluation

MEMBERSHIP IN SCIENTIFIC ASSOCIATIONS

- Member of the International Association for Bridge Maintenance and Safety (IABMAS);
- Member of the International Association for Bridge and Structural Engineering (IABSE).

PUBLICATIONS

Papers in referred journals

- [RI-1] M. Breccolotti, G. Franceschini, A.L. Materazzi, Sensitivity of dynamic methods for damage detection in structural concrete bridges, *Shock and Vibration*, 2004, Vol. 11, No. 3-4, pp. 383-394.
- [RI-2] M. Breccolotti, V. Gusella, A.L. Materazzi, Active displacement control of a wind excited mast, *Structural Control and Health Monitoring*, 2007; 14:556-575
- [RI-3] M. Breccolotti, A.L. Materazzi, Identification of a non-linear spring through the Fokker-Planck equation, *Probabilistic Engineering Mechanics*, 2008; 23:146-153.
- [RI-4] M. Breccolotti, A.L. Materazzi, I. Venanzi, Identification of the nonlinear behavior of a cracked RC beam through the statistical analysis of the dynamic response, *Structural Control and Health Monitoring*, 2008; 15:416-435.
- [RI-5] M. Breccolotti, A.L. Materazzi, Structural reliability of eccentrically-loaded sections in RC columns made of recycled aggregate concrete, *Engineering Structures*, 2010; 32:3704-3712.
- [RI-6] M. Breccolotti, A.L. Materazzi, Structural reliability of bonding between steel rebars and recycled aggregate concrete, *Construction & Building Materials*, DOI 10.1016/j.conbuildmat.2013.05.017.
- [RI-7] M. Breccolotti, C.A. Beffa, A. Rapicetta, F. Pelliccia, Load-carrying capacity improvement and seismic upgrading of a 1914 riveted steel bridge, *Structural Engineering International*, 4/2013;
- [RI-8] M. Breccolotti, M.F. Bonfigli, A.L. Materazzi, Influence of carbonation on concrete strength evaluation with the SonReb method, *NDT & E International*, 2013, 59:96-104.
- [RI-9] M. Breccolotti, C.A. Beffa, A. Rapicetta, F. Pelliccia, Load-carrying capacity improvement and seismic upgrading of a 1914 riveted steel bridge, *Bridge and Foundation Engineering (Japan)*, 2014, 48(7):45-47 (reprint).
- [RI-10] I. Venanzi, M. Breccolotti, A. D'Alessandro, A.L. Materazzi, Fire performance assessment of HPLWC hollow core slabs through full-scale furnace testing, *Fire Safety Journal*, 2014, 69:12-22.
- [RI-11] M. Breccolotti, A.L. Materazzi, Prestress losses and camber growth in wing-shaped structural members, *PCI Journal*, 2015, January–February, 60:98-117.
- [RI-12] M. Breccolotti, A.L. Materazzi, The role of the vertical acceleration component in the seismic response of masonry chimneys, *Materials and Structures*, accepted for publication.
- [RI-13] M. Breccolotti, M.F. Bonfigli, I-SonReb: an improved NDT method to evaluate the in situ strength of carbonated concrete, *Non-destructive Testing and Evaluation*, 30 (4), pp. 327-346.
- [RI-14] M. Breccolotti, M.F. Bonfigli, A. D'Alessandro, A.L. Materazzi, Constitutive modeling of plain concrete subjected to cyclic uniaxial compressive loading, *Construction & Building Materials*, 2015, 94:172-180.
- [RI-15] M. Breccolotti, A. D'Alessandro, F. Roscini, M. F. Bonfigli, *Investigation of stress - strain behaviour of recycled aggregate concrete under cyclic loads*, *Environmental Engineering and Management Journal*, 2015, 14(7).
- [RI-16] M. Breccolotti, S. Gentile, M. Tommasini, A.L. L Materazzi, M.F. Bonfigli, B. Pasqualini, V. Colone, M. Gianesini, *Beam-column joints in continuous RC frames: comparison between cast-in-situ and precast solutions*, *Engineering Structures*, Submitted.

Papers in international conferences

- [CI-1] M. Breccolotti, P. D'Elia, A.L. Materazzi, E. Nigro, Simplified assessment of steel and concrete composite columns in the event of fire, *Atti del convegno Eurosteel*, Coimbra, Portogallo, Settembre 2002.
- [CI-2] A.L. Materazzi, M. Breccolotti, Ambient vibration effects on buildings, *Atti del Eurodyn 2002*, Monaco, Germania, Settembre 2002.
- [CI-3] M. Breccolotti, V. Gusella, A.L. Materazzi, Active control of a wind excited mast, *Atti del convegno ISEC-02*, Roma, Settembre 2003.
- [CI-4] M. Breccolotti, A.L. Materazzi, A new damage index for the assessment of reinforced concrete structures through vibration based techniques, *Atti del convegno 5th Acoustical and vibratory surveillance methods and diagnostic techniques*, Cetim (Francia), Ottobre 2004.
- [CI-5] A.L. Materazzi, M. Breccolotti, Reliability of Dynamic methods for evaluating structural concrete bridge integrity, *Atti del convegno LABMAS 2004*, Kyoto (Giappone), Ottobre 2004.
- [CI-6] A.L. Materazzi, M. Breccolotti, Fire behaviour of HPLWC hollow core slabs: full scale furnace tests and numerical modeling, *Proceedings Workshop fib "Fire design of concrete structures"*, Milan (Italy), December 2-4, 2004.
- [CI-7] A.L. Materazzi, E. Nigro, M. Breccolotti, Assessment of slender steel and concrete composite columns in the event of fire: theoretical-experimental comparison and simplified methods of analysis, *Proceedings Workshop fib "Fire design of concrete structures"*, Milan (Italy), December 2-4, 2004.
- [CI-8] M. Breccolotti, A.L. Materazzi, Ambient vibration analysis and mitigation in the site of Villa Ruffo in Rome, *Proceedings "Eurodyn2005"*, Paris (France), September 4-7, 2005.
- [CI-9] M. Breccolotti, A.L. Materazzi, RC beams damage detection through probabilistic analysis of the dynamic response, *Proceedings "ICOSSAR2005"*, Rome (Italy), June 19-22, 2005.
- [CI-10] M. Breccolotti, A.L. Materazzi, I. Venanzi, Fire performance of HPLWC hollow core slabs, *Proceedings 4th Int. Workshop "Structures in fire"*, Aveiro (Portugal), May 10-12, 2006.
- [CI-11] M. Breccolotti, A.L. Materazzi, M. Pecetti, Crack control and fatigue behaviour improvement of precast reinforced concrete access floors, *Proceedings 9th Int. Fatigue Congress*, Atlanta (US), May 14-19, 2006.
- [CI-12] M. Breccolotti, A.L. Materazzi, I. Venanzi "Full scale investigations on the fire performance of HPLWC hollow core slabs", *Proceedings 2nd Int. fib Congress*, Naples (Italy), June 5-8, 2006.
- [CI-13] M. Breccolotti and A.L. Materazzi, Identification of a non-linear spring through the Fokker-Planck equation, *Proceedings 5th International Conference on Computational Stochastic Mechanics*, Rodos (GR), June 21-23, 2006.
- [CI-14] M. Breccolotti and A.L. Materazzi, Cracking Evaluation of RC Structures by Means of Gaussian Excitation and Statistical Analysis, *Proceedings 4th World Conference on Structural Control and Health Monitoring*, San Diego (US), July 11-13, 2006.
- [CI-15] A.L. Materazzi, M. Calda, F. Fornaini, M. Breccolotti, F. Quattrucci, Assessment of a low cost system for the retrofit of a masonry building, through dynamic testings, *Proceedings 4th Specialty Conference on The Conceptual Approach to Structural Design*, 27-29 June 2007, Venezia, Italy.
- [CI-16] M. Breccolotti and A.L. Materazzi, Reliability of structural concrete made with recycled aggregates, *Proceedings MDP 2007 International Symposium on Recent Advances in Mechanics, Dynamical Systems and Probability Theory*, Palermo, June 4-6 2007.
- [CI-17] I. Venanzi, M. Breccolotti, Analytical safety assessment of R.C. frames exposed to fire, *Proceedings Workshop fib "Fire design of concrete structures"*, Coimbra (Portugal), November 8-9, 2007.

- [CI-18] M. Breccolotti, A.L. Materazzi, A.S. Nowak, The impact of using recycled aggregates on the reliability of structural concrete elements, *Proceedings Int. Workshop on Advanced Structures and Materials*, Lincoln (Nebraska, US), November 11-13, 2007.
- [CI-19] M. Breccolotti, A.L. Materazzi, I. Venanzi, Fatigue design of precast structural concrete plates for access floors, *Atti del Convegno IALCCE'08*, Varenna (Como), June 2008.
- [CI-20] M. Breccolotti, A.L. Materazzi, Identification of non-linear MDOF system excited by Gaussian loads, *Atti del Convegno EURO DYN 2008*, Southampton (UK), July 2008.
- [CI-21] M. Breccolotti, Reliability of reinforced concrete elements made of recycled aggregates, *Atti del Convegno IWRERM'08*, Shanghai (Cina), August 2008.
- [CI-22] A. L. Materazzi, M. Breccolotti, F. Ubertini and I. Venanzi, Experimental Modal Analysis for Assessing Prestress Force in PC Bridges: A Sensitivity Study, *Atti del Convegno IOMAC'09*, Ancona, May 4-6 2009.
- [CI-23] Materazzi A.L., Breccolotti M., Ubertini F., I. Venanzi (2009). Experimental Modal Analysis for Assessing Prestress Force in PC Bridges: A Sensitivity Study. Proceedings of the 3rd International Operational Modal Analysis Conference (IOMAC 2009) Starrylink, Brescia: 585-594. 4-6 Maggio 2009, Ancona.
- [CI-24] I. Venanzi, A. L. Materazzi, M. Breccolotti and F. Ubertini, Modal identification of a prestressed concrete bridge through ambient vibration tests, Proceedings of the 3rd International Operational Modal Analysis Conference (IOMAC 2009) Starrylink, Brescia, Ancona, May 4-6 2009.
- [CI-25] Ubertini F., Breccolotti M. (2010). Robust control algorithm for active mass dampers with system constraints. Fifth World Conference on Structural Control and Monitoring - WCSCM5 Tokyo: In: Fifth World Conference on Structural Control and Monitoring (WCSCM5). 12-14 Luglio, Tokyo.
- [CI-26] M. Breccolotti, A.L. Materazzi, D. Salciarini, C. Tamagnini, F. Ubertini (2011). Vibrations induced by the new underground railway line in Palermo, Italy. Experimental measurements and FE modeling. Eurodyn 2011 - 8th International Conference on Structural Dynamics 719-726, 4-6 Luglio 2011, Leuven, Belgium.
- [CI-27] Breccolotti M., D'Alessandro A., Materazzi A.L. (2012). Theoretical and experimental investigation on bond between steel rebars and recycled aggregate concrete. Publisher Creations, 869- 876, vol.2, In: Bond in concrete 2012: Bond, Anchorage, Detailing - Fourth International Symposium. 17-20/06/2012, Brescia (I).
- [CI-28] Breccolotti M., Materazzi A.L. (2013). Use of recycled aggregate concrete in prestressed structural elements. In: fib Symposium 2013, 22-24/04/2013, Tel Aviv (IL).
- [CI-29] Breccolotti M., D'Alessandro A., Roscini F., Materazzi A.L. (2014). Investigation of stress - strain behaviour of recycled aggregate concrete. In: ECOMONDO, 5-8/11/2014, Rimini, (I).
- [CI-30] Bonfigli M.F., Breccolotti M., Cavalagli N., Gusella V., Severini L. 2015). Seismic assessment and rehabilitation of masonry arch bridges. In: AID Monuments, 13-16/05/2015, Perugia, (I)
- [CI-31] Breccolotti M., Bonfigli M.F., Materazzi A.L. (2015). Improved Sonreb method for the assessment of carbonated concrete. In: XXVII Structural Failures, 20-23/05/2015, Miedzyzdroje (PL).

Papers in national conferences

- [CN-1] C.A. Beffa, M. Breccolotti, A.L. Materazzi, L'antenna strallata per esperimenti di controllo attivo sotto vento dell'Università di Perugia, *Atti del convegno IN-VENTO-2000*, Genova, Giugno 2000.
- [CN-2] M. Breccolotti, L'alluminio come materiale strutturale, *Atti del convegno MARSCIANO PRODUCE*, Marsciano (Perugia) 2001.
- [CN-3] M. Breccolotti, A.L. Materazzi, Esperimenti di controllo attivo di strutture flessibili, *Atti del Workshop: Problemi di vibrazioni nelle strutture civili e nelle costruzioni meccaniche*, Perugia, Ottobre 2001.
- [CN-4] M. Breccolotti, V. Gusella, A.L. Materazzi, Esperimenti di controllo PD su di un'antenna soggetta all'azione del vento, *Atti del convegno IN-VENTO-2002*, Milano, Settembre 2002.
- [CN-5] A.L. Materazzi, M. Zappia, M. Breccolotti, Influenza della modellazione sulla valutazione della sicurezza di strutture in c.a., *Atti del convegno VGR 2002*, Pisa, Settembre 2002.
- [CN-6] A.L. Materazzi, M. Breccolotti, G. Rogari, Analisi della sicurezza strutturale di un edificio in c.a. in Perugia, *Atti del convegno Giornate AICAP*, Bologna, Giugno 2002.
- [CN-7] A.L. Materazzi, M. Breccolotti, Sull'impiego di metodi dinamici per la valutazione dell'integrità di strutture di c.a., *Atti del convegno Giornate AICAP 2004*, Verona, Maggio 2004.
- [CN-8] A.L. Materazzi, M. Breccolotti, I. Venanzi, Comportamento al fuoco di strutture iperstatiche di c.a., *Atti del convegno Giornate AICAP 2004*, Verona, Maggio 2004.
- [CN-9] M. Breccolotti, A.L. Materazzi, A. Theodoli, Misure di vibrazioni prodotte dal traffico ferroviario sotterraneo nel sito di Villa Ruffo in Roma, *Atti del Workshop: Problemi di vibrazioni nelle strutture civili e nelle costruzioni meccaniche*, Perugia, Giugno 2004.
- [CN-10] M. Breccolotti, Riflessioni sull'impiego di indagini dinamiche nella valutazione di strutture di c.a. e c.a.p., *Atti del Workshop: Problemi di vibrazioni nelle strutture civili e nelle costruzioni meccaniche*, Perugia, Giugno 2004.
- [CN-11] A.L. Materazzi, M. Zappia, A. D'Alessandro, M. Breccolotti, Comportamento al fuoco di solai per edifici di cemento armato: confronto tra metodo tabellare, sperimentale ed analitico, *Atti del Convegno VGR 2004*, Pisa, Settembre 2004.
- [CN-12] L. Ombres, F. Lirangi, M. Zappia, M. Breccolotti, I. Venanzi, Influenza della modellazione dell'incendio sulla valutazione della sicurezza al fuoco in un edificio esistente in c.a., *Atti del Convegno VGR 2004*, Pisa, Settembre 2004.
- [CN-13] A.L. Materazzi, M. Zappia, A. D'Alessandro, M. Breccolotti, Valutazione comparative della resistenza al fuoco di solai in calcestruzzo strutturale, *Atti del Convegno Scientifico Nazionale "Sicurezza nei sistemi complessi"*, Bari (Italy), October 19-21, 2005.
- [CN-14] M. Breccolotti, A. D'Alessandro, M. Colizzi, I. Venanzi, M. Zappia, Prove sperimentali di solai in calcestruzzo strutturale in confronto con la modellazione analitica, *Atti del Convegno VGR 2006*, Pisa, Ottobre 2006.
- [CN-15] M. Breccolotti, A.L. Materazzi, Analisi teorica e sperimentale della resistenza a fatica di lastre in c.a. per pavimenti sopraelevati, *Atti del convegno Giornate AICAP 2007*, Salerno, 4-6 Ottobre 2007.
- [CN-16] A.L. Materazzi, A. D'Alessandro, S. Monotti, M. Breccolotti, Considerazioni critiche sull'impiego strutturale di calcestruzzi confezionati con aggregati riciclati, *Atti del convegno Giornate AICAP 2007*, Salerno, 4-6 Ottobre 2007.

- [CN-17] M. Breccolotti, A. D'Alessandro, I. Venanzi, M. Zappia, M. Colizzi, Confronto critico tra valutazione analitica e sperimentale della resistenza al fuoco di solai in cemento armato precompresso, *Atti del Convegno Sicurezza nei sistemi complessi*, Bari, Ottobre 2007.
- [CN-18] A.L. Materazzi, M. Breccolotti, F. Ubertini, Strategie di controllo attivo nel caso di azionamenti soggetti a saturazione, *Atti del 3° Workshop: Problemi di vibrazioni nelle strutture civili e nelle costruzioni meccaniche*, Perugia, Settembre 2008.
- [CN-19] M. Breccolotti, A.L. Materazzi, M. Calda, Indagini teorico-sperimentali sul comportamento dinamico di un edificio esistente in muratura, *Atti del 3° Workshop: Problemi di vibrazioni nelle strutture civili e nelle costruzioni meccaniche*, Perugia, Settembre 2008.
- [CN-20] M. Breccolotti, A.L. Materazzi, F. Ubertini, Influenza della quantità e della qualità degli aggregati riciclati sulla affidabilità strutturale di elementi in c.a., *Atti del convegno Giornate AICAP 2009*, Pisa, 14-16 Maggio 2009.
- [CN-21] A.L. Materazzi, F. Ubertini, M. Breccolotti, Handling state variable constraints and actuator saturation in structural control strategies, *Atti del Convegno AIMETA'09*, Ancona, 14-17 Settembre 2009.
- [CN-22] M. Breccolotti, F. Ubertini, I. Venanzi, Natural frequencies of prestressed concrete beams: theoretical prediction and numerical validation, *Atti del Convegno AIMETA'09*, Ancona, 14-17 Settembre 2009.
- [CN-23] A.L. Materazzi, M. Breccolotti, F. Ubertini, Structural reliability of bonding between steel and concrete made with recycled aggregates, *Atti del Convegno Le nuove frontiere del calcestruzzo strutturale*, Salerno, 22-23 Aprile 2010.
- [CN-24] Breccolotti M., Materazzi A.L., Manni P., Baldograni G. (2012). Verifica sperimentale dello stato di presollecitazione e controllo dell'evoluzione della monta di tegoli alari in c.a.p.. 19° Congresso C.T.E., 397- 406, In: 19° Congresso C.T.E., 8-10 Novembre 2012, Bologna.

Books

- [B-1] Materazzi A.L., Breccolotti M., Eds. (2002). *Atti del 1° Workshop Problemi di Vibrazioni nelle Strutture civile e nelle Costruzioni meccaniche*, Perugia 12 ottobre 2001, Centro Stampa Università degli Studi di Perugia, Perugia, 240 pages.
- [B-2] Materazzi A.L., Breccolotti M., Cluni F., Venanzi I., Eds. (2006). *Atti del 2° Workshop Problemi di Vibrazioni nelle Strutture civile e nelle Costruzioni meccaniche*, Perugia 10-11 giugno 2004, Morlacchi Editore, Perugia, 416 pages.
- [B-3] Materazzi A.L., Breccolotti M., Cluni F., Ubertini F., Venanzi I., Eds. (2010). *Atti del 3° Workshop Problemi di Vibrazioni nelle Strutture civile e nelle Costruzioni meccaniche*, Perugia 11-12 settembre 2008, Morlacchi Editore, Perugia, 462 pages.

Book chapters

- [BC-1] *Control of the structural response* in the book “WINDERFUL – Wind and INfrastructures: Dominating Eolian Risk for Utilities and Lifelines”, edit by Gianni Bartoli, Francesco Ricciardelli and Vincenzo Sepe, Firenze University Press (2004);
- [BC-2] *Impiego dei materiali nella costruzione degli edifici* (in italian) in the book “La Costruzione Pratica e l'Architettura Rurale, Compendio delle lezioni date nella R. Università di Pisa dal Prof. Guglielmo Calderini Anno Accademico 1885-1886”, edit by Paolo Belardi, Massimo Mariani, Il Formichiere, Foligno (PG) (2013).

[BC-3] *Stochastic Analysis of Nonlinear Systems*, A. L. Materazzi, M. Breccolotti, Encyclopedia of Earthquake Engineering, Eds. M. Beer, I.A. Kougiumtzoglou, E. Patelli, I. S.-K. Au, pp 1-19, 2014, DOI 10.1007/978-3-642-36197-5_334-1, Online ISBN 978-3-642-36197-5, Publisher, Springer Berlin Heidelberg.

Perugia, February 10, 2016

Marco Breccolotti
