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**Brief Curriculum**

Full Professor of Structural Engineering at the University of Campania "Luigi Vanvitelli" (since 2018).

Associate Professor of Structural Engineering at the University of Campania "Luigi Vanvitelli" (from 2015 to 2018) and at the University of Chieti/Pescara (from 2005 to 2015).

Assistant professor of Structural Engineering at the Engineering Faculty of the University of Naples Federico II (2000-2005);

PhD in Structural Engineering (1998); Civil Engineer (1994).

Rector's Delegate for Building Affairs at the University of Campania "Luigi Vanvitelli" (for the sexennium 2020-2026).

In charge since 2004 of university courses in Structural Engineering, mainly dealing with Design of Steel and Concrete Structures, Design of Structures for Engineering and Architecture, at University of Naples Federico II, University G. d'Annunzio of Chieti-Pescara and University of Campania "Luigi Vanvitelli"; II level Master courses in Metal structures and Seismic Engineering at University of Naples Federico II, University of Messina and University of Enna Kore.

Member of PhD Committee in "Architecture, Geology and Civil Engineering" at the University G. d'Annunzio of Chieti-Pescara (from 2005 to 2015).

Member of PhD Committee in "Architecture, Industrial Design and Cultural Heritage" at the University of Campania "Luigi Vanvitelli" (since 2015).

Participation in many International and National Codification Committees, such as:

- Project team CEN/TC 250 /SC9-T1 "Structural Eurocodes – Design of Aluminium Structures" (European Committee for Standardization) (2015-to-);
- CEN/TC 250 / SC9-Horizontal Group Fire "Structural Eurocodes" (European Committee for Standardization) (2016-to-);
- National Committee UNI-CT-021 "Structural Engineering" – SC08 "Seismic structures" and SC09 "Aluminium Structures";

Past (M) of:

- CEN/TC250/SC9 Committee "Aluminium Alloy Structures", for 1993-1-2 "Fire design" and prEN 1999-1-1 "Connections";
- CEN/TC250/SC3 Committee "Steel Structures", for 1993-4-1 "Silos";
- National committee UNI-CIS/SC9 "Design of Aluminium Structures" (2013-2015, as Vice-President);
- Italian UNI-SC3 Committee "Steel Structures";
- National Committee UNI-CIS "Structural resistance under fire";
- Committee for the preparation of the document CNR-DT-208/2011 "Instructions for design, execution and control of aluminium structures" (2008-2011).

(M) of Pool of Reviewers for the Romanian Research Assessment Exercise (RRAE), Romania (since 2011).

(M) of Reviewer Committees for several national research projects.

(M) of Editorial Boards of international journals and reviewer of more than 100 scientific papers for recognized international journals.

(M) of several scientific committees of international conferences and of editorial committees for scientific books.

Coordination activity for the following national and international research projects:

- PI for the project "Integrated Procedure for assessing and improving the resilience of existing masonry bell Towers on a territorial scale" – PREVENT, funded within the VALERE 2019 intra-University competition at the University of Campania "Luigi Vanvitelli" (261.000,00 euro);
- Lead scientist of OR2 for "Case studies" and Coordination of the broad partnership (9 academic, 14 industrial, 15 administrative partners) within the project "GEstioNE del rischio Sismico per la valorizzazione turistica dei centri storici del Mezzogiorno – GENESIS" – Industrial research and experimental development projects in the 12 areas of specialization identified by the 2015-2020 NRP – (submitted 2017, positive evaluation / pending funding);
- PI of the H2020-MSCA-ITN-2020 "Innovative ALuminium structural applications to enhance Urban REsilience and sustainability – ALURE", involving a broad partnership from all over Europe (16 academic and 8 industrial partners) – (submitted 2019, 2020 / not funded);
- Technical coordinator of the European Project "Earthquake Protection of Historical Buildings by Reversible Mixed Technologies"; Specific Targeted Research or Innovation Project, 6th FP (2004-2008);
- Vice-chairman of WG2 "Structural Integrity under Exceptional Loading", within the European research project COST C12 "Improving Buildings' Structural Quality by New Technologies" (2000-2004);
- Vice-chairman of WG3 "Impact and Explosions", within the European research project COST C26 "Urban habitat constructions under catastrophic events" (2006-2010).

Participation to many international research projects, such as:

- "Analysis of the contributing effect of building panels on steel structure resistance to seismic and aeolian phenomena", sponsored by European Community Commission - Executive Committee F6 "Steel Structures"
- Agreement n. 7210 - SA/421 (1994-1997);
- Cost C1: "Semirigid Behaviour of Civil Engineering Connections" (1992-99);
- "Use of steel in refurbishment", Tempus Project S\_JEP-09524-95 (1995-1998);
- "Implementing of Structural Eurocodes in Romanian Civil Engineering Standards" Tempus Project JEP 01198-1995;
- "Experimental Analysis", Tempus Project JEP 011297, (1996-1999);
- "Reliability of Moment Resistant Connections of Steel Building Frames in Seismic Areas (RECOS)", Inco-COPERNICUS Joint Research Project, 4th framework programme of European Commission;
- "Earthquake Protection of Historical Buildings by Reversible Mixed Technologies (PROHITECH)"; Specific Targeted Research or Innovation Project, 6th FP - European Commission (INCO-CT-2004-509119) (2004-2008);
- Cost C26: "Urban Habitat Constructions under Catastrophic Events" (2006-2010);
- Cost Action TU0904: "Integrated Fire Engineering and Response" (2010-2012).

Responsible of Research Unit (R-RU) or Leader (L) of many national research projects, such as:

- R-RU at the University G. d'Annunzio of Chieti-Pescara "Behavior and characterization of ancient timber structures retrofitted by reversible mixed technologies", PRIN 2005 "Protection and structural rehabilitation of historical buildings by reversible mixed technologies" (2005-2007);
- R-RU at the University G. d'Annunzio of Chieti-Pescara "Structural contribution of stiffening shear panels for the control of steel framed buildings", within the Research Line "Steel and steel-concrete composite structures" of the National Project DPC-RELUIS (2005-2007);
- R-RU at the University G. d'Annunzio of Chieti-Pescara within Research Line 1 Task 2 "Aspects for seismic design of new constructions – Steel and steel-concrete composite structures", National Project DPC-RELUIS (2009-2012);
- R-RU at the University G. d'Annunzio of Chieti-Pescara within the Research Line "Steel and steel-concrete composite structures", National Project DPC-RELUIS (2014, 2015);

- R-RU at the University of Campania "Luigi Vanvitelli" – Department of Architecture and Industrial Design within the Research Line "Steel and steel-concrete composite structures", National Project DPC-RELUIS (2016, 2017, 2018);
- R-RU at the University of Campania "Luigi Vanvitelli" – Department of Architecture and Industrial Design within the Research Line "TT 1– Development of a systematic methodology for the evaluation at territorial scale on the basis of the typological and structural characteristics of buildings [ITSE]" (research project CARTIS), National Project DPC-RELUIS (2016, 2017, 2018);
- R-RU at the University of Campania "Luigi Vanvitelli" – Department of Architecture and Industrial Design within the Research Line "Inventory of existing structural and building types" – WP 2 – "CARTIS" research line, National Project DPC-RELUIS (2019-21);
- R-RU at the University of Campania "Luigi Vanvitelli" – Department of Architecture and Industrial Design within the Research Line "Seismic risk maps and damage scenario" – WP 4 – "MARS" research line, National Project DPC-RELUIS (2019-21);
- R-RU at the University of Campania "Luigi Vanvitelli" – Department of Architecture and Industrial Design within the Research Line "Contributes to structural codes for steel and steel-concrete composite civil and industrial buildings" – WP 12, National Project DPC-RELUIS (2019-21);
- (L) of Task 4.8 "Churches" within "Seismic risk maps and damage scenario" – WP 4 – "MARS" research line, National Project DPC-RELUIS (2019-21).

In charge of scientific direction (SD) for several university research contracts and/or technical agreements, such as:

- Responsible for "Structural interventions" within the agreements for the reconstruction plans of Goriano Scoli (AQ), Cocollo (AQ) and Gagliano Aterno (AQ), after the 2009 L'Aquila earthquake within the activity developed by the Department of Architecture of the University G. d'Annunzio of Chieti-Pescara (2011-2014);
- SD for the University of Campania "Luigi Vanvitelli" "Enhancement and critical analysis of school building register of Regione Campania", POR FSE 2014-2020, within the agreement between the Regione Campania and the University of Campania "Luigi Vanvitelli", the University of Naples Federico II, University of Salerno, University of Sannio, Parthenope University of Naples (2017-18);
- SD of many agreements between the the Department of Architecture and Industrial Design (University of Campania "Luigi Vanvitelli") and the Province of Caserta for the "Activity related to the static/seismic upgrading of road bridges on roads of the province subjected to structural interventions" (2016-2020);
- SD of many agreements between the Department of Architecture and Industrial Design (University of Campania "Luigi Vanvitelli") and Polyclinic of the University of Campania "Luigi Vanvitelli" for the activity related to the "Support for structural evaluation of hospital structures" (2017-2020);
- SD of the agreement between the Department of Architecture and Industrial Design (University of Campania "Luigi Vanvitelli") and the "Authority for Portual System of Central Tyrrenian Sea– Napoli" for the activity related to the "Support for structural evaluation and monitoring of the Directional Building in Molo Pisacane - Naples" (2019-2020);
- SD of the agreement between the Department of Architecture and Industrial Design (University of Campania "Luigi Vanvitelli") and the "PASCALE Institute – Naples" for the activity related to the "Support for structural evaluation of hospital structures" (2019-2020);
- SD of the agreement between the Department of Architecture and Industrial Design (University of Campania "Luigi Vanvitelli") and the "OSPEDALE DEI COLLI – Naples" for the activity related to the "Support for structural evaluation of hospital structures" (2019-);
- SD of the agreement between the Department of Architecture and Industrial Design (University of Campania "Luigi Vanvitelli") and RELUIS Consortium for the "Activity for technical-scientific support related to the Centro-Italia - Lazio, Marche, Umbria e Abruzzo - from the 24th of august 2016" (2017);
- Collaborative activity developed for the Italian Department of Civil Protection for building reconnaissance after the L'Aquila earthquake of 6/4/2009, developing about 100 feasibility assessments of earthquake damaged buildings (2009-10).

Reviewer of scientific papers for many International journals, such as:

- ASCE Journal of Structural Engineering,

- Elsevier Journal of Engineering Structures,
- World Scientific Publishing Company Journal of Structural Stability and Dynamics,
- Elsevier Journal of Constructions & Building Materials,
- John Wiley and Sons Earthquake Engineering and Structural Dynamics,
- Pergamon-Elsevier Press Computers & Structures,
- Elsevier Journal of Constructional Steel Research,
- Wiley Journal of the Structural Design of Tall and Special Buildings,
- NED International Journal of Research- Structural Mechanics,
- Techno Press Journal of Steel and Composite Structures,
- Iranian Journal of Science and Technology,
- Taylor and Francis Publisher International Journal of Non-destructive Testing and Evaluation,
- Taylor and Francis Journal of Civil Engineering and Management,
- Taylor and Francis International Journal of Architectural Heritage,
- Bentham Open Civil Engineering Journal,
- Bentham Open Materials Science Journal,
- Bentham Open Construction & Building Technology Journal

Member of many scientific committees of international conferences.

Member of editorial committee for international journals.

Member of Editorial committees for scientific books.

Scientific cooperation with many international Institutions, such as:

- Instituto Superior Tecnico di Lisbona, (Portugal), Prof. L. Calado
- Norwegian University of Science and Technology di Trondheim (Norway), Prof. M. Langseth
- Politehnica University di Timisoara (Romania), Prof. D. Dubina
- University of Architecture, Civil Engineering and Geodesy of Sofia (Bulgaria), Prof. J. Milev
- University of Manchester (United Kingdom, Prof. J. M. Davies
- Universität Stuttgart (Germany), Prof. U. Kuhlmann
- Technical University of Prague (Czech Republic), Prof. F. Wald
- University of Thessaly (Greece), Prof. E. Mistakidis
- University of Liege (Belgium), Prof. J.P. Jaspart
- University of Skopje and IZIIS (Macedonia), Prof. Kiril Gramatikov e Prof. L. Tashkov
- University of Southampton (UK), Dr. Mike Byfield
- University of Cranfield (UK), Dr. Peter Smith

“Special achievement in Structural Engineering” for 2008, for the research activity “Numerical and Experimental Analysis of Three Strengthening techniques applied on three large scale models in the frame of the PROHITECH project”, given by the Macedonian Association of Structural Engineers (MASE), within the XIII International Simposium MASE, Ohrid (Macedonia), 14-17 October 2009.

Author of more than 350 scientific papers, published in national and international scientific journals and conference proceedings, mainly focused on the following topics:

- Seismic vulnerability assessment of churches;
- Classification, inspection and structural analysis of bridges;
- Seismic response of steel structures;
- Innovative devices for seismic protection of buildings;
- Aluminium structures;
- Structural response and retrofitting of monumental masonry buildings.

**Bibliometric indexes** (by Scopus, February 2021): 107 Documents, 1602 Citations, h-index 27.

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## List of papers published in International journals.

- [1] G. De Matteis, R. Landolfo, F.M. Mazzolani, "On the shear flexibility of corrugated shear panels". STEEL STRUCTURES, **Journal of Singapore Structural Steel Society**, December 1995, ISSN 0218-1746, Singapore, Vol. 6, pp 103-111.
- [2] G. De Matteis, R. Landolfo, F.M. Mazzolani, "Diaphragm Effect for Industrial Buildings under Earthquake Loading". **Journal of Constructional Steel Research**, Elsevier, ISSN 0143-974X(99)00038-3, doi: 10.1016/S0143-974X(98)00071-6 Oxford (UK), 1998, Vol. 46:1-3 (401).
- [3] G. De Matteis, R. Landolfo, "Structural Behaviour of Sandwich Panel Shear Walls: an Experimental Analysis". **Materials and Structures**, RILEM, ISSN 1359-5997, doi 10.1007/BF02479624, Cachan (France), June 1999, Vol. 32, pp 331-341.
- [4] L.A. Moen, G. De Matteis, O.S. Hopperstad, M. Langseth, R. Landolfo, F.M. Mazzolani, "Rotational Capacity of Aluminum Beams under Moment Gradient.II: Numerical Simulation Read More: <http://ascelibrary.org/doi/abs/10.1061/%28ASCE%290733-9445%281999%29125%3A8%28921%29>", **Journal of Structural Engineering, ASCE**, ISSN 0733-9445, 125 (8), Reston-VA (USA), 1999, pp 921-929.
- [5] G. De Matteis, R. Landolfo, "Mechanical Fasteners for Cladding Sandwich Panels: Interpretative Models for Shear Behaviour", **Thin-Walled Structures**, Elsevier, ISSN 0263-8231 doi: 10.1016/S0263-8231(99)00017-8, Oxford (UK), Vol. 35, 1999, 61-79.
- [6] G. De Matteis, R. Landolfo, "Modelling of Lightweight Shear Diaphragms for Dynamic Analysis", in **Journal of Constructional Steel Research**, Elsevier, ISSN 0143-974X, doi.org/10.1016/S0143-974X(99)00038-3, Oxford (UK), 2000, Vol. 53, pp 33-61.
- [7] G. De Matteis, F.M. Mazzolani, R. Landolfo, J. Milev, "Q-factor evaluation of moment resisting steel frames with semi-rigid connections by applying different approaches" in **Acta Polytechnica, Journal of Czech Technical University**, Prague (Czech Republic), ISSN 1210-2709, 1999, Vol. 39, No. 5, pp 183-194.
- [8] G. De Matteis, A. Mandara, F.M. Mazzolani, "T-stub Aluminium Joints: the Influence of Behavioural Parameters", **Computers and Structures**, ISSN: 0045-7949, doi: 10.1016/S0045-7949(00)00081-X, Pergamon-Elsevier Science Ltd, Oxford, England, 2000, Vol. 78, No. 1-3, 311-327.
- [9] G. De Matteis, R. Landolfo, "Diaphragm Action of Sandwich Panels in Pin-Jointed Steel Structures: a Seismic Study", **Journal of Earthquake Engineering**, ISSN: 1363-2469, DOI: 10.1080/13632460009350371, Imperial College Press, 57 Shelton St, London, England, Vol. 4, No. 3 (2000) 251-275.
- [10] L. Calado, G. De Matteis, R. Landolfo, "Experimental response of top and seat angle semi-rigid steel frame connections", **Materials and Structures**, RILEM, ISSN 1359-5997 (Print) 1871-6873 (Online), doi 10.1007/BF02480527 Cachan (France), October 2000, Vol. 33, pp 499-510.
- [11] G. De Matteis, L.A. Moen, M. Langseth, R. Landolfo, O.S. Hopperstad, F.M. Mazzolani "Cross-Sectional Classification for aluminium beams: a parametric study", **Journal of Structural Engineering, ASCE**, ISSN 0733-9445, doi.org/10.1061/(ASCE)0733-9445(2001)127:3(271), Reston-VA (USA), 2001, Vol. 127 (3), pp 271-279.
- [12] G. Della Corte, G. De Matteis, R. Landolfo, F.M. Mazzolani, "Seismic Analysis of MR Steel Frames based on Refined Hysteretic Models of Connections", **Journal of Constructional Steel Research**, ISSN 0143-974X(02)00014-7, doi.org/10.1016/S0143-974X(02)00014-7, Oxford (UK), 2002, Vol. 58, pp 1331-1345.
- [13] G. De Matteis, R. Landolfo, F. M. Mazzolani, "Seismic Response of MR Steel Frames with low-yield Steel Shear Panels", **Engineering Structures - The Journal of Earthquake Wind and Ocean Engineering**, Elsevier, printed by Krips b.v., Meppel, The Netherlands, ISSN 0141-0296, doi.org/10.1016/S0141-0296(02)00124-4, Vol. 25, No. 2, 2003, pp 155-168.
- [14] G. De Matteis, R. Landolfo, M. Manganiello, F. M. Mazzolani, "Inelastic behaviour of I-shaped aluminium beams: numerical analysis and cross-sectional classification", **Computers and Structures**, ISSN: 0045-7949, doi.org/10.1016/j.compstruc.2004.03.071, Pergamon-Elsevier Science Ltd, Oxford, England, Vol. 82, 2004, pp 2157-2171.
- [15] B. Faggiano, G. De Matteis, R. Landolfo, F.M. Mazzolani, "Behaviour of aluminium alloy structures under fire", **Journal of Civil Engineering and Management**, ISSN 1392-3730, Vol. X, No. 3, 2004, 193-200.
- [16] G. De Matteis "Effect of lightweight cladding panels on the seismic performance of moment resisting steel frames", **Engineering Structures - The Journal of Earthquake Wind and Ocean Engineering**, Elsevier, ISSN 0141-0296, doi.org/10.1016/j.engstruct.2005.06.004, printed by Krips b.v., Meppel, The Netherlands, Vol. 27/11, pp 1662-1676, Elsevier, 2005
- [17] M. Manganiello, G. De Matteis, R. Landolfo "Inelastic flexural strength of aluminium alloy structures, in **Engineering Structures**, ISSN 0141-0296, doi.org/10.1016/j.engstruct.2005.09.014, printed by Krips b.v., Meppel, The Netherlands, Vol. 28/4, pp 593-608, Elsevier, 2006
- [18] B. Calderoni, G. De Matteis, C. Giubileo, F.M. Mazzolani "Flexural and shear behaviour of ancient wooden beams: experimental and theoretical evaluation", **Engineering Structures**, ISSN 0141-0296, doi.org/10.1016/j.engstruct.2005.09.027, printed by Krips b.v., Meppel, The Netherlands, Vol. 28/5, pp 729-744, Elsevier, 2006
- [19] G. De Matteis, F.M. Mazzolani and S. Panico "Pure aluminium shear panels as dissipative devices in moment-resisting steel frames", in **Earthquake Engineering and Structural Dynamics**, ISSN: 1096:9845, John Wiley & Sons Ltd, The Atrium, Southern Gate, Chichester, England, Wiley InterScience, DOI: 10.21002/eqe, vol. 36: 841-859, 2007.
- [20] G. De Matteis, I. Langone, F. Colanzi, F.M. Mazzolani "Experimental and numerical modal identification of the Fossanova Gothic Cathedral", in **Key Engineering Materials**, ISSN: 1013-9826, Trans Tech Publications Inc. Laubisutistr. 24, CH-8712 Stafa-Zurich. Switzerland, Vol. 347, 351-358, 2007.
- [21] E. S. Mistakidis, G. De Matteis, A. Formisano "Low-yield metal shear panels as an alternative for seismic upgrading of concrete structures", in **Advances in Engineering Software**, ISSN 0965-9978, Elsevier Applied Science Ltd, Barking, New York., Volume 38, Issues 8-9, August-September 2007, Pages 626-636, doi:10.1016/j.advengsoft.2006.08.043.
- [22] G. De Matteis, A. Formisano, S. Panico and F. M. Mazzolani "Numerical and experimental analysis of pure aluminium shear panels with welded stiffeners", in **Computer and Structures**, ISSN: 0045-7949, Pergamon-Elsevier Science Ltd, Oxford, England, doi: 10.1016/j.compstruc.2007.05.027, Vol 86/6 pp 545-555, 2008.

- [23] A. Formisano, G. De Matteis, F.M. Mazzolani, "Numerical analysis of slender steel shear panels for assessing design formulas", in **International Journal of Structural Stability and Dynamics (IJSSD)** – Y.B. Yang, C. M. Wang and J. N. Reddy (editors-in-chief), World Scientific Publishing Company, ISSN 0219-4554, doi:10.1142/S0219455407002289, Vol. 7, No. 2 (2007) 273-294.
- [24] A. Formisano, G. De Matteis, S. Panico, F.M. Mazzolani "Seismic upgrading of existing RC buildings by slender steel shear panels: a full-scale experimental investigation", in **International Journal of Advanced Steel Construction (IJASC)**, S.L. Chan, W.F. Chen and R. Zandonini (editors-in-chief), ISSN 1816-112X, doi: 10.21002/eqe, Hunghom, Kowloon, Hong Kong, China, The Hong Kong Institute of Steel Construction, Vol. 4, No. 1, March 2008, 26-45.
- [25] G. De Matteis, S. Panico, F.M. Mazzolani "Experimental tests on pure aluminium shear panels with welded stiffeners", in **Engineering Structures**, ISSN 0141-0296, printed by Krips b.v., Meppel, The Netherlands, Elsevier, Volume 30, Issue 6, June 2008, Pages 1734-1744, DOI: 10.1016/j.engstruct.2007.11.015.
- [26] G. De Matteis, M. Brescia, A. Formisano, F.M. Mazzolani "Behaviour of welded aluminium T-stub joints under monotonic loading", in **Computer & Structures**, vol. 87, Issues 15-16, ISSN: 0045-7949, Pergamon-Elsevier Science Ltd, Oxford, England, August 2009, Pages 990-1002, doi:10.1016/j.compstruc.2008.04.022.
- [27] G. De Matteis, G. Brando, S. Panico, F.M. Mazzolani "Bracing type pure aluminium stiffened shear panels: an experimental study", in **International Journal of Advanced Steel Construction (IJASC)**, S.L. Chan, W.F. Chen and R. Zandonini (editors-in-chief), The Hong Kong Institute of Steel Construction, ISSN 1816-112X, doi 10.1556/Pollack.2.2007.3.7, Vol. 5 (2), June 2009, pp 106-119.
- [28] B. Calderoni, G. De Matteis, C. Giubileo, F.M. Mazzolani "Experimental correlations between destructive and non-destructive tests on ancient timber elements", in **Engineering Structures**, 32 (2010), pp. 442-448, ISSN 0141-0296, printed by Krips b.v., Meppel, The Netherlands, Elsevier, November 2009, doi:10.1016/j.engstruct.2009.10.006.
- [29] De Matteis, G., Formisano, A., Mazzolani, F.M., "An innovative methodology for seismic retrofitting of existing RC buildings by metal shear panels", **Earthquake Engineering & Structural Dynamics** (ISSN 0098-8847), vol. 38, no1, 2009, pp. 61-78 ISSN: 0098-8847, doi: 10.1002/eqe.841
- [30] G. De Matteis, F.M. Mazzolani (2010). "The Fossanova church: seismic vulnerability assessment by numerical and physical testing." **International Journal of Architectural Heritage**, Vol. 4, number3, p. 222-245, ISSN: 1558-3058, doi: 10.1080/15583050903078903
- [31] A. Formisano, G. De Matteis and F. M. Mazzolani "Numerical and experimental behaviour of a full-scale RC structure upgraded with steel and aluminium shear panels", in **Computer and Structures**, ISSN: 0045-7949, Pergamon-Elsevier Science Ltd, Oxford, England, pp 626-636, doi: 10.1016/j.compstruc.2008.09.010, 2010
- [32] E. Criber, G. Brando, G. De Matteis (2011). Structural Individuation of Damages Occurred on St. Gemma Church in Goriano Sicoli during the 2009 L'Aquila Earthquake. **Applied Mechanics and Materials**, vol. 82, p. 816-821, ISSN: 1662-7482, doi: 0.4028/www.scientific.net/AMM.82.816
- [33] G. De Matteis, G. Brando, F.M. Mazzolani "Hysteretic behaviour of bracing-type pure aluminium shear panels by experimental tests", in **Earthquake Engineering and Structural Dynamics**, ISSN: 1096:9845, John Wiley & Sons Ltd, The Atrium, Southern Gate, Chichester, England, Wiley InterScience, 2011, DOI: 10.1002/eqe.1079.
- [34] G. De Matteis, G. Brando, F.M. Mazzolani, "Experimental and numerical analysis of pure aluminium shear panels for seismic protection of structures: An overview" **HERON** volume 55, no. 3/4 special issue: Aluminium structures, 187-221 ISSN (print) 0046-7316, ISSN (electronic) 1574-4078, TU Delft, Delft; The Netherland, 2011
- [35] G. De Matteis, G. Brando, F.M. Mazzolani "Experimental and numerical analysis of pure aluminium for dynamic applications" in **Applied Mechanics and Material**, Vol. 82 Performance Protection and Strengthening of Structures under Extreme Loading Edited by Ezio Cadoni and Marco di Prisco (2011) pp 136-141 ISBN 13-978-3-03785-217-0, doi: 10.4028/www.scientific.net/AMM.82.136
- [36] G. Brando, G. De Matteis "Experimental and numerical analysis of a multi-stiffened pure aluminium shear panel", in **Thin-Walled Structures**, ISSN: 0263-8231, Elsevier, Oxford (UK), vol. 49, issue 10, October 2011, Pag. 1277-1287, doi: 10.1016/j.tws.2011.05.007.
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- [38] G. De Matteis, M. T. Naqash, G. Brando (2012). "Effective length of aluminium T-stub connections by parametric analysis." **Engineering Structures**, vol. 41, p. 548-561, ISSN: 0141-0296, doi: 10.1016/j.engstruct.2012.03.052
- [39] M. T. Naqash, G. De Matteis, and A. De Luca, (2012) "Seismic design of Steel Moment Resisting frames European Versus American Practice," **NED University Journal of Research**, vol. Thematic Issue on Earthquake, pp. 45-59, October 2012.
- [40] Brando, G., D' Agostino, F., De Matteis, G. "Experimental tests of a new hysteretic damper made of buckling inhibited shear panels" (2013) **Materials and Structures/Materiaux et Constructions**, 46 (12), pp 2121-2133, ISSN 1359-5997, Mater Struct DOI 10.1617/s11527-013-0040-6
- [41] Brando G., De Matteis G., "Buckling Resistance of Perforated Steel Angle Members" (2013) **Journal of Constructional Steel Research** 81 February 2013, Pages 52-61, ISSN 0143-974X, http://dx.doi.org/10.1016/j.jcsr.2012.10.009.
- [42] Brando G., Sarracco, G. De Matteis G., "Strength of aluminium column web in tension" (2013) **Journal of Structural Engineering-ASCE** 10.1061/(ASCE)ST.1943-541X.0001138 , 04014180.
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