

List of publications of Massimo Fragiaco (updated on August, 16th, 2018):

(the name of the undersigned is underlined for immediate evidence; the names of the Ph.D./Master students supervised by the undersigned are *in italic and with an asterisk**)

Technical regulations:

4. Dias, A., Frangiaco, M., Harris, R., Kuklík, P., Rajčić, V., and Schänzlin, J. (2018). “Background Document – Eurocode 5: Design of Timber Structure. Structural design of timber-concrete composite structures – Common rules and rules for buildings.” CEN, 65 pp.
3. Dias, A., Frangiaco, M., Harris, R., Kuklík, P., Rajčić, V., and Schänzlin, J. (2018). “Technical Specification – Eurocode 5: Design of Timber Structure. Structural design of timber-concrete composite structures – Common rules and rules for buildings.” CEN, 63 pp.
2. Bedon, C., Brunetti, M., Calderoni, B., Ceraldi, C., Faggiano, B., Ferracuti, B., Frangiaco, M., Follesa, M., Gattesco, N., Giubileo, C., Gubana, A., Lauriola, M.P., Martinelli, E., Metelli, G., Piazza, M., Pizzo, B., Pampanin, S., Podestà, S., Sandoli, A., and Zanon, P. (2018). “Norme CNR-DT 206 R1/2018: Instructions for design, execution and control of timber structures (Istruzioni per la progettazione, l’esecuzione ed il controllo delle strutture di legno).” 160 pp., CNR. (in Italian).
1. Panecaldo, M., Lucchese, A., Lorenzi, G., Zanon, P., Piazza, M., Frangiaco, M., Tomasi, R., Ceccotti, A., and Luchetti, M. (2012). “Guidelines for evaluating the compliance of timber products and structural systems to the Italian Technical Regulation of Construction” (Linee Guida per la certificazione dell’idoneità tecnica all’impiego di materiali e prodotti innovativi in legno per uso strutturale (DM 14.01.08 – Norme Tecniche per le costruzioni, paragrafo 11.1, lettera C)). Presidency of the Upper Council of Public Works, Central Technical Service (Presidenza del Consiglio Superiore dei Lavori Pubblici, Servizio Tecnico Centrale), Rome (Italy), pp. 14 (in Italian).

Chapters of books:

6. *Izzi, M.**, and Frangiaco, M. (2018). “Hysteretic behaviour of connections and wall systems used in CLT structures.” Chapter of a special book celebrating the 65th birthday of Dr. Simon Aicher, 15 pp, in press.
5. Trulli, N., Valdes, M., De Nicolo, B., and Frangiaco, M. (2017). “Grading of low quality wood for use in structural elements.” Chapter of the book “Wood Engineering”, edited by Intech, ISBN 978-953-51-5018-3, doi: 10.5772/63178.
4. Frangiaco, M., and *Rinaldin, G.** (2011). “Advanced models for seismic analyses of timber buildings.” Chapter of the book “Außergewöhnliche Einwirkung - Erdbeben - im Holzbau”, Workshop on crosslam construction “Grazer Holzbau-Fachtagung – 9. Gra FHT’11”, Technical University of Graz, Austria, pp. J-1 – J-28.
3. *Gavric, I.**, Ceccotti, A., and Frangiaco, M. (2011). “Experimental cyclic tests on cross-laminated timber panels and typical connections.” Chapter of the book “Außergewöhnliche Einwirkung - Erdbeben - im Holzbau”, Workshop on crosslam construction “Grazer Holzbau-Fachtagung – 9. Gra FHT’11”, Technical University of Graz, Austria, pp. H-1 – H-28.
2. Frangiaco, M., *Yeoh, D.C.**, and Davison, R. (2007). “Timber Flooring.” Chapter 25 of the “Timber Design Guide”, Third Edition, edited by Prof. Andy Buchanan, published by New Zealand Timber Industry Federation Inc., pp. 273-281.
1. Amadio, C., Frangiaco, M., and *Macorini, L.** (2006). “Advanced analysis methods for

continuous steel-concrete composite beams”. Chapter of the book “Composite structures: new construction, refurbishment, bridges”, edited by L. Dezi and N. Gattesco, International Centre for Mechanical Sciences (CISM), Udine, pp. 43-73 (in Italian).

Editorials of international journals:

2. Fragiacomo, M., Barros, H., Adam, J.M., Ferreira, C., Loja, A., Infante Barbosa, J., and Nuno Silvestre, N. (2016). “Preface for the special issue on Structures Rehabilitation.” *Engineering Structures*, Special issue on “Structures Rehabilitation”, Vol. 129, 15 December 2016, pp. 1, doi: [org/10.1016/j.engstruct.2016.10.025](https://doi.org/10.1016/j.engstruct.2016.10.025).
1. Fragiacomo, M., and van de Lindt, J.W. (2016). “Introduction: Special Issue on Seismic Resistant Timber Structures.” *ASCE Journal of Structural Engineering*, Special issue on Seismic Resistant Timber Structures, Vol. 142 No. 4, E2016001, 2 pp., doi: [10.1061/\(ASCE\)ST.1943-541X.0001509](https://doi.org/10.1061/(ASCE)ST.1943-541X.0001509).

Publications in peer-reviewed international journals:

119. Vassallo, D., Follesa, M., and Fragiacomo, M. (2018). “Seismic design of a six-storey CLT building in Italy.” *Engineering Structures*, Special issue “Seismic Wood Structures”, in press.
118. *Sciomenta, M.**, Bedon, C., Fragiacomo, M., and Luongo, A. (2018). “Shear performance assessment of timber log-house walls under in-plane lateral loads via numerical and analytical modelling.” *Buildings*, Special Issue on “Advances in Mass Timber and Timber Hybrid Lateral Load Resisting Systems”, Vol. 8, 99, 18 pp., <http://dx.doi.org/10.3390/buildings8080099>.
117. Tannert, T., Follesa, M., Fragiacomo, M., Gonzales, P., Isoda, H., Moroder, D., Xiong, H., and van de Lindt, J. (2018). “Seismic design of cross-laminated timber buildings.” *Wood and Fiber Science Journal*, special CLT issue, in press.
116. Schänzlin, J., and Fragiacomo, M. (2018). “Analytical derivation of the effective creep coefficients for timber-concrete composite structures.” *Engineering Structures*, Special issue on Cost Action FP 1402, Vol. 172, 1 October 2018, pp. 432–439, doi: [10.1016/j.engstruct.2018.05.056](https://doi.org/10.1016/j.engstruct.2018.05.056).
115. Fragiacomo, M., Gregori, A., Xue, J., Demartino, C., and Toso, M. (2018). “Timber-concrete composite bridges: Three case studies.” *Journal of Traffic and Transportation Engineering*, Special issue on "Holistic Approach to Sustainability of Existing and New Bridges", in press.
114. Follesa, M., Fragiacomo, M., Casagrande, D., Tomasi, R., Piazza, M., Vassallo, D., Canetti, D., and Rossi, S. (2018). “The new provisions for the seismic design of timber buildings in Europe.” *Engineering Structures*, Special issue “Seismic Wood Structures”, Vol. 168, 1 August 2018, pp. 736-747, doi: [10.1016/j.engstruct.2018.04.090](https://doi.org/10.1016/j.engstruct.2018.04.090).
113. Follesa, M., and Fragiacomo, M. (2018). “Force-based seismic design of mixed CLT/Light-Frame buildings.” *Engineering Structures*, Special issue “Seismic Wood Structures”, Vol. 168, 1 August 2018, pp. 628-642, doi: [10.1016/j.engstruct.2018.04.091](https://doi.org/10.1016/j.engstruct.2018.04.091).
112. Bedon, C., and Fragiacomo, M. (2018). “Experimental and numerical analysis of in-plane compressed unprotected log-haus timber walls in fire conditions.” *Fire Safety Journal*, Special issue “Wood Buildings and Fire”, in press, doi: [10.1016/j.firesaf.2017.12.007](https://doi.org/10.1016/j.firesaf.2017.12.007).
111. Menis, A., Fragiacomo, M., and Clemente, I. “Fire resistance of unprotected cross-laminated timber floor panels: parametric study and simplified design.” *Fire Safety Journal*, Special issue “Wood Buildings and Fire”, in press, doi: [10.1016/j.firesaf.2018.02.001](https://doi.org/10.1016/j.firesaf.2018.02.001).
110. *Tamagnone, G.**, Rinaldin, G., and Fragiacomo, M. (2018). “A novel method for non-linear

- design of CLT wall systems.” *Engineering Structures*, Special issue “Seismic Wood Structures”, Vol. 167, 15 July 2018, pp. 760-771, doi: 10.1016/j.engstruct.2017.09.010.
109. Iqbal, A., Fragiacomo, M., Pampanin, S., and Buchanan, A. (2018). “Seismic resilience of plywood-coupled LVL wall panels.” *Engineering Structures*, Special issue “Seismic Wood Structures”, Vol. 167, 15 July 2018, pp. 750-759, doi: 10.1016/j.engstruct.2017.09.053.
 108. Bedon, C. and Fragiacomo, M. (2018). “Numerical investigation of timber log-haus walls with steel dovetail reinforcements under in-plane seismic loads.” *Advances in Civil Engineering*, Vol. 2018, Article ID 6929856, 12 pages, doi:10.1155/2018/6929856.
 107. *Izzi, M.**, Polastri, A., and Fragiacomo, M. (2018). “Investigating the hysteretic behavior of Cross-Laminated Timber wall systems due to connections.” *ASCE Journal of Structural Engineering*, Vol. 144 No. 5, 04018035, 10 pp., doi: 10.1061/(ASCE)ST.1943-541X.0002022.
 106. *Izzi, M.**, Polastri, A., and Fragiacomo, M. (2018). “Modelling the mechanical behaviour of typical wall-to-floor connection systems for Cross-Laminated Timber structures.” *Engineering Structures*, Vol. 162, 1 May 2018, pp. 270-282, doi: 10.1016/j.engstruct.2018.02.045.
 105. *Izzi, M.**, Rinaldin, G., Polastri, A., and Fragiacomo, M. (2018). “A hysteresis model for timber joints with dowel-type fasteners.” *Engineering Structures*, Vol. 157, 15 February 2018, pp. 170-178, doi: 10.1016/j.engstruct.2017.12.011.
 104. *Berardinucci, B.**, Di Nino, S., Gregori, A., and Fragiacomo, M. (2017). “Mechanical behavior of timber–concrete connections with inclined screws.” *Int. Journal of Computational Methods and Experimental Measurements*, Special Issue Timber Structures, Vol. 5 No. 6, pp. 807–820.
 103. Rinaldin, G., Fragiacomo, M., and Amadio, C. (2017). “On the accuracy of the N2 inelastic spectrum for timber structures.” *Soil Dynamics and Earthquake Engineering*, Vol. 100, pp. 49–58, doi: 10.1016/j.soildyn.2017.05.026.
 102. Rinaldin, G., Amadio, C., and Fragiacomo, M. (2017). “Effects of seismic sequences on structures with hysteretic or damped dissipative behaviour.” *Soil Dynamics and Earthquake Engineering*, Vol. 97, pp. 205–215, doi: 10.1016/j.soildyn.2017.03.023.
 101. Van Bakel, R., Rinaldin, G., Leijten, A.J.M., and Fragiacomo, M. (2017). “Experimental-numerical investigation on the seismic behaviour of moment-resisting timber frames with Densified Veneer wood reinforced timber connections and expanded tube fasteners.” *Earthquake Engineering and Structural Dynamics*, Vol. 46 No. 8, pp. 1307–1324, doi: 10.1002/eqe.2857.
 100. Bedon, C., and Fragiacomo, M. (2017). “Three-dimensional modelling of notched connections for timber-concrete composite beams.” *IABSE Structural Engineering International*, Special Issue on Timber Structures, Vol. 27 No. 2, pp. 184-196.
 99. Bedon, C., and Fragiacomo, M. (2017). “Derivation of buckling design curves via FE modelling for in-plane compressed timber log-walls in accordance with the Eurocode 5.” *European Journal of Wood and Wood Products*, Vol. 75 No. 3, pp. 449-465, doi: 10.1007/s00107-016-1083-5.
 98. Concu, G., De Nicolo, B., Fragiacomo, M., Trulli, N., and Valdes, M. (2016). “Grading of Maritime Pine from Sardinia (Italy) for use in Cross Laminated Timber.” *Construction Materials – Proceedings of the Institutions of Civil Engineers*, Vol. 171 No. CM1, pp. 11–21, paper 1600043, <https://doi.org/10.1680/jcoma.16.00043>.

97. *Poh'sie, G.H.**, Chisari, C., Rinaldin, G., Amadio, C. and Fragiacomo, M. (2016). "Optimal design of tuned mass dampers for a multi-storey cross laminated timber building against seismic loads." *Earthquake Engineering and Structural Dynamics*, Vol. 45 No. 12, pp. 1977–1995, doi: 10.1002/eqe.2736.
96. Giresini, L., Fragiacomo, M., and Sassu, M. (2016). "Rocking analysis of masonry walls interacting with roofs." *Engineering Structures*, Vol. 116, 1 June 2016, pp. 107–120, doi: 10.1016/j.engstruct.2016.02.041.
95. *Wrzesniak, D.**, and Fragiacomo, M. (2016). "Cyclic behaviour of glulam shear walls with bolted connections." *European Journal of Wood and Wood Products – Special issue on COST Action FP1004*, Vol. 74 No. 3, pp. 393-405, doi: 10.1007/s00107-016-1020-7.
94. Rinaldin, G., and Fragiacomo, M. (2016). "Non-linear simulation of shaking-table tests on 3- and 7-storey X-lam timber buildings." *Engineering Structures*, Vol. 113, 15 April 2016, pp. 133-148, doi: 10.1016/j.engstruct.2016.01.055.
93. Amadio, C., Rinaldin, G., and Fragiacomo, M. (2016). "Investigation on the accuracy of the N2 method and the equivalent linearization procedure for different hysteretic models." *Soil Dynamics and Earthquake Engineering*, Vol. 83, 69–80, doi:10.1016/j.soildyn.2016.01.005.
92. *Izzi, M.**, Flatscher, G., Fragiacomo, M., and Schickhofer, G. (2016). "Experimental investigations and design provisions of steel-to-timber joints with annular-ringed shank nails for Cross-Laminated Timber structures." *Construction and Building Materials*, Vol. 122, 446-457, doi: 10.1016/j.conbuildmat.2016.06.072.
91. *Wrzesniak, D.**, Rodgers, G.W., Fragiaco, M., and Chase, J.G. (2016). "Experimental testing and analysis of damage-resistant rocking glulam walls with lead extrusion dampers." *Construction and Buildings Materials*, Shatis 2013 Special issue: Research on Timber Materials and Structures, Volume 102, Part 2, 1145-1153, doi: 10.1016/j.conbuildmat.2015.09.011.
90. Sustersic, I., Fragiacomo, M., and Dujic, B. (2016). "Seismic analysis of crosslaminated multistorey timber buildings using linear and nonlinear static and dynamic methods." *ASCE Journal of Structural Engineering*, Special issue on Seismic Resistant Timber Structures, Vol. 142 No. 4, E4015012, 15 pp., doi: 10.1061/(ASCE)ST.1943-541X.0001344.
89. *Poh'sie, G.H.**, Chisari, C., Rinaldin, G., Fragiaco, M., Amadio, C., and Ceccotti, A. (2016). "Application of a translational tuned mass damper designed by means of genetic algorithms on a multistorey cross-laminated timber building." *ASCE Journal of Structural Engineering*, Special issue on Seismic Resistant Timber Structures, Vol. 142 No. 4, E4015008, 10 pp., doi: 10.1061/(ASCE)ST.1943-541X.0001342.
88. Iqbal, A., Smith, T., Pampanin, S., Fragiacomo, M., Palermo, A., and Buchanan, A.H. (2016). "Experimental performance and structural analysis of plywood-coupled LVL walls." *ASCE Journal of Structural Engineering*, Vol. 142 No. 2, 04015123, 10 pp., doi: 10.1061/(ASCE)ST.1943-541X.0001383.
87. *Ardalany, M.**, Fragiacomo, M., and Moss, P. (2016). "Modelling of Laminated Veneer Lumber (LVL) beams with holes using cohesive elements." *ASCE Journal of Structural Engineering*, Vol. 142 No. 1, 04015102, 13 pp., doi: 10.1061/(ASCE)ST.1943-541X.0001338.
86. Schmid, J., Menis, A., Fragiacomo, M., Clemente, I., and Bochicchio, G. (2015). "Behaviour of loaded cross-laminated timber wall elements in fire conditions." *Fire Technology – Special Issue on Timber in Fire*, Vol. 51 No. 6, pp. 1341-1370, doi: 10.1007/s10694-015-0516-8.

85. Schmid, J., Just, A., Klippel, M., and Fragiacomo, M. (2015). “The reduced cross-section method for the evaluation of the fire resistance of timber members - Discussion and determination of the zero-strength layer.” *Fire Technology – Special Issue on Timber in Fire*, Vol. 51 No. 6, pp. 1285-1309, doi: 10.1007/s10694-014-0421-6.
84. Giresini, L., Fragiacomo, M., and Lourenço, P.B. (2015). “Comparison between rocking analysis and kinematic analysis for the dynamic out-of-plane behavior of masonry walls.” *Earthquake Engineering and Structural Dynamics*, Vol. 44 No. 13, pp. 2359–2376, doi: 10.1002/eqe.2592.
83. Fragiacomo, M., *Riu, R.**, and Scotti, R. (2015). “Can structural timber foster short procurement chains within Mediterranean forests? A research case in Sardinia.” *South-east European forestry journal*, Vol 6 No 1 (June 2015), 11 pp., <http://dx.doi.org/10.15177/seefor.15-09>
82. Bedon, C., Rinaldin, G., and Fragiacomo, M. (2015). “Non-linear modelling of the seismic behaviour of 'Blockhaus' structures.” *Engineering Structures*, Vol. 91, 15 May 2015, pp. 112-124, doi: 10.1016/j.engstruct.2015.03.002.
81. Bedon, C., Rinaldin, G., *Izzi, M.**, Fragiacomo, M., and Amadio, C. (2015). “Assessment of the structural stability of Blockhaus timber walls under in-plane compression via full-scale buckling experiments.” *Construction and Building Materials*, Vol. 78, pp. 474-490, doi: 10.1016/j.conbuildmat.2015.01.049.
80. *Gavric, I.**, Fragiacomo, M., and Ceccotti, A. (2015). “Cyclic behaviour of typical screwed connections for cross-laminated (CLT) structures.” *European Journal of Wood and Wood Products*, Vol. 73 No. 2, pp. 179-191, doi: 10.1007/s00107-014-0877-6.
79. *Gavric, I.**, Fragiacomo, M., and Ceccotti, A. (2015). “Cyclic behavior of cross-laminated timber (CLT) wall systems: Experimental tests and analytical prediction models.” *ASCE Journal of Structural Engineering*, Vol. 141 No. 11, 14 pp., 04015034, doi: 10.1061/(ASCE)ST.1943-541X.0001246.
78. Fragiacomo, M., and Lukaszewska, E. (2015). “Influence of the construction method on the long-term behavior of timber-concrete composite beams.” *ASCE Journal of Structural Engineering*, Vol. 141 No. 10, 15 pp., 04015013, doi: 10.1061/(ASCE)ST.1943-541X.0001247.
77. Bedon, C., and Fragiacomo, M. (2015). “Numerical and analytical assessment of the buckling behaviour of Blockhaus log-walls under in-plane compression.” *Engineering Structures*, Vol. 82, 1 January 2015, pp. 134-150, doi: 10.1016/j.engstruct.2014.10.033.
76. *Wanninger, F.**, Frangi, A., and Fragiacomo, M. (2015). “Long-term behaviour of post-tensioned timber connections.” *ASCE Journal of Structural Engineering*, Vol. 141 No. 6, 13 pp., 04014155, doi: 10.1061/(ASCE)ST.1943-541X.0001121.
75. *Gavric, I.**, Fragiacomo, M., and Ceccotti, A. (2015). “Cyclic behaviour of typical metal connectors for cross-laminated (CLT) structures”. *RILEM Materials and Structures*, Vol. 48 No. 6, pp. 1841-1857, doi: 10.1617/s11527-014-0278-7.
74. Bedon, C., Fragiacomo, M., Amadio, C., and Sadoch, C. (2015). “Experimental study and numerical investigation of “Blockhaus” shear walls subjected to in-plane seismic loads.” *ASCE Journal of Structural Engineering*, Vol. 141 No. 4, 11 pp., 04014118, doi: 10.1061/(ASCE)ST.1943-541X.0001065.
73. Fragiacomo, M., Balogh, J., To, L., and Gutkowski, R.M. (2014). “Three dimensional modeling of long-term structural behavior of wood-concrete composite beams.” *Journal of Structural Engineering*, ASCE, Special Issue: Computational Simulation in Structural

Engineering, Vol. 140 No. 8, 11 pp., A4014006, doi: 10.1061/(ASCE)ST.1943-541X.0000909.

72. *Sancin, L.**, Rinaldin, G., Fragiacomo, M., and Amadio, C. (2014). “Seismic analysis of an isolated and a non-isolated light-frame timber building using artificial and natural accelerograms.” *Bollettino di Geofisica Teorica e Applicata/Bulletin of Theoretical and Applied Geophysics*, Vol. 55 No. 1, pp. 103-118, doi: 10.4430/bgta0093.
71. *Follesa, M.**, Christovasilis, I.P., Vassallo, D., Fragiacomo, M., and Ceccotti, A. (2013). “Seismic design of multi-storey CLT buildings according to Eurocode 8.” *Ingegneria Sismica/International Journal of Earthquake Engineering, Special Issue on Timber Structures*, No. 4 October-December 2013, pp. 27-53.
70. Rinaldin, G., *Poh’sie, G.H.**, Amadio, C., and Fragiacomo, M. (2013). “Modelling of seismic behaviour of light-frame timber structures.” *Ingegneria Sismica/International Journal of Earthquake Engineering, Special Issue on Timber Structures*, No. 4 October-December 2013, pp. 82-98.
69. Fragiacomo, M., *Menis, A.**, Clemente, I., Bochicchio, G., and Ceccotti, A. (2013). “Fire resistance of cross-laminated timber panels loaded out-of-plane.” *Journal of Structural Engineering*, ASCE, Vol. 139 No. 12, 11 pp., 04013018, doi: 10.1061/(ASCE)ST.1943-541X.0000787.
68. *Yeoh, D.**, Fragiacomo, M., and Carradine, D. (2013). “Fatigue behaviour of timber-concrete composite connections and floor beams.” *Engineering Structures*, Vol. 56 Issue November 2013, pp. 2240-2248, doi: 10.1016/j.engstruct.2013.08.042.
67. *Ardalany, M.**, Fragiacomo, M., Carradine, D., and Moss, P. (2013). “Experimental behaviour of Laminated Veneer Lumber (LVL) beams with holes and different methods of reinforcement.” *Engineering Structures*, Vol. 56 Issue November 2013, pp. 2154-2164, doi: 10.1016/j.engstruct.2013.08.034.
66. *Rinaldin, G.**, Amadio, C., and Fragiacomo, M. (2013). “A component approach for the hysteretic behaviour of connections in cross-laminated wooden structures.” *Earthquake Engineering and Structural Dynamics*, Vol. 42 No. 13, pp. 1885–2042, doi: 10.1002/eqe.2310.
65. *Ardalany, M.**, Fragiacomo, M., Moss, P., and Deam, B. (2013). “An Analytical model for design of reinforcement around holes in Laminated Veneer Lumber (LVL) beams.” *Materials and Structures*, Rilem, Vol. 46 No. 11, pp. 1811-1831, doi: 10.1617/s11527-013-0019-3.
64. *Parida, G.**, Johnsson, H., and Fragiacomo, M. (2013). “Provisions for ductile behavior of timber-steel connections with multiple glued-in rods.” *Journal of Structural Engineering*, ASCE, Vol. 139 No. 9, pp. 1468-1477, doi: 10.1061/(ASCE)ST.1943-541X.0000735.
63. *Parida, G.**, Fragiacomo, M., and Johnsson, H. (2013). “Prefabricated stabilising timber walls anchored with glued-in rods – Experimental tests and preliminary design.” *European Journal of Wood and Wood Product*, Vol. 71 No. 5, pp. 635-646, doi: 10.1007/s00107-013-0726-z.
62. Fragiacomo, M., and Lukaszewska, E. (2013). “Time-dependent behaviour of timber-concrete composite floors with prefabricated concrete slabs.” *Engineering Structures*, Vol. 52, Issue July 2013, pp. 687-696, doi: 10.1016/j.engstruct.2013.03.031.
61. Balogh, J., Fragiacomo, M., Gutkowski, R., Atadero, R., Ivanyi P. (2013). “Low-to-high cycle fatigue behavior of wood-concrete composite beams with notched interlayer connections.” *Pollack Periodica*, Vol. 8 No. 1, pp. 3-14, doi: 10.1556/Pollack.8.2013.1.1.

60. Fragiacomo, M., *Menis, A.**, Moss, P., Clemente, I., Buchanan, A., and De Nicolo, B. (2013). "Predicting the fire resistance of timber members loaded in tension." *Fire and Materials*, Vol. 37 No. 2, pp. 114-129, doi: 10.1002/fam.2117.
59. Fragiacomo, M., and Schänzlin, J. (2013). "Proposal to account for environmental effects in design of timber-concrete composite beams." Technical note, *Journal of Structural Engineering*, ASCE, Vol. 139 No. 1, pp. 162-167, doi: 10.1061/(ASCE)ST.1943-541X.0000605.
58. *Ardalany, M.**, Fragiacomo, M., Deam, B., and Crews, K. (2013). "Analytical cracking load estimation of Laminated Veneer Lumber (LVL) beams with holes." *European Journal of Wood and Wood Products*, Vol. 71 No. 1, pp. 37-48, doi: 10.1007/s00107-012-0646-3.
57. *Ardalany, M.**, Fragiacomo, M., Deam, B., and Carradine, D. (2012). "Effect of hole location on the load-carrying capacity of laminated veneer lumber (LVL) beams." *Australian Journal of Structural Engineering*, Vol. 13 No. 3, pp. 231-242.
56. *Menis, A.**, Fragiacomo, M., and Clemente, I. (2012). "Numerical investigation of the fire resistance of protected cross-laminated timber floor panels." *Structural Engineering International*, IABSE, Special Edition on Structural Fire Engineering, Vol. 22 No. 4, pp. 523-532, doi: <http://dx.doi.org/10.2749/101686612X13363929517659>.
55. Yeoh, D., and Fragiacomo, M. (2012). "The design of a semi-prefabricated LVL-concrete composite floor." *Advances in Civil Engineering*, Volume 2012, Article ID 626592, 19 pages, doi:10.1155/2012/626592.
54. Fragiacomo, M. (2012). "Experimental behaviour of a full-scale timber-concrete composite floor with mechanical connectors." *Materials and Structures*, Rilem, Vol. 45 No. 11, pp. 1717-1735, doi: 10.1617/s11527-012-9869-3.
53. *Ardalany, M.**, Deam, B., and Fragiacomo, M. (2012). "Experimental results of fracture energy and fracture toughness of radiata pine laminated veneer lumber (LVL) in mode I (opening)." *Materials and Structures*, Rilem, Vol. 45 No. 8, pp. 1189-1205.
52. Zona, A., Barbato, M., and Fragiacomo, M. (2012). "Finite element model updating and probabilistic analysis of timber-concrete composite beams." *Journal of Structural Engineering*, ASCE, Vol. 138 No. 7, pp. 899-910.
51. Fragiacomo, M., and Batchelar, M. (2012). "Timber frame moment joints with glued-in steel rods. I: Design." *Journal of Structural Engineering*, ASCE, Vol. 138 No. 6, pp. 789-801.
50. Fragiacomo, M., and Batchelar, M. (2012). "Timber frame moment joints with glued-in steel rods. II: Experimental investigation of long-term performance." *Journal of Structural Engineering*, ASCE, Vol. 138 No. 6, pp. 802-811.
49. Amadio, C., Fragiacomo, M., and Macorini, L. (2012). "Evaluation of the deflection of steel-concrete composite beams at serviceability limit state." *Journal of Constructional Steel Research*, Vol. 73 (June 2012), pp. 95–104.
48. *Davies, M.**, and Fragiacomo, M. (2011). "Long-term behavior of prestressed LVL members. I: Experimental tests." *Journal of Structural Engineering*, ASCE, Vol. 137 No. 12, pp. 1553-1561.
47. Fragiacomo, M., and *Davies, M.** (2011). "Long-term behavior of prestressed LVL members. II: Analytical approach." *Journal of Structural Engineering*, ASCE, Vol. 137 No. 12, pp. 1562-1572.
46. *Yeoh, D.**, Fragiacomo, M., *De Franceschi, M.**, and Koh, H.B. (2011). "The state-of-the-art on timber-concrete composite structures – a literature review." *Journal of Structural*

Engineering, ASCE, Vol. 137 No. 10, pp. 1085-1095.

45. Moss, P.J., Buchanan, A.H., *Nilsen, T.M.**, and Fragiacomo, M. (2011). "Fire resistance of connections using steel plates and mechanical fasteners in timber structures." *Journal of Structural Fire Engineering*, Special Issue on 6th International Conference on Structures in Fire SiF'10, Vol. 2 No. 4, pp. 243-257.
44. *O'Neill, J.**, Carradine, D., Moss, P., Fragiacomo, M., Dhakal, R., and Buchanan, A. (2011). "Design of timber-concrete composite floors for fire resistance." *Journal of Structural Fire Engineering*, Special Issue on 6th International Conference on Structures in Fire SiF'10, Vol. 2 No. 3, pp. 231-242.
43. Jorissen, A., and Fragiacomo, M. (2011). "General notes on ductility in timber structures." *Engineering Structures*, Special Issue on Timber Structures, Vol. 33 No. 11, pp. 2987-2997.
42. Fragiacomo, M., Dujic, B., and Sustersic, I. (2011). "Elastic and ductile design of multi-storey crosslam massive wooden buildings under seismic actions." *Engineering Structures*, Special Issue on Timber Structures, Vol. 33 No. 11, pp. 3043-3053.
41. Fragiacomo, M., Fortino, S., *Tononi, D.**, *Usardi, I.**, and Toratti, T. (2011). "Moisture-induced stresses perpendicular to grain in timber sections exposed to European climates." *Engineering Structures*, Special Issue on Timber Structures, Vol. 33 No. 11, pp. 3071-3078.
40. *Yeoh, D.**, Fragiacomo, M., and Deam, B. (2011). "Experimental behaviour of LVL-concrete composite floor beams at strength limit state." *Engineering Structures*, Vol. 33 No. 9, pp. 2697-2707.
39. Gutkowski, R.M., Miller, N., Fragiacomo, M., and Balogh, J. (2011). "Composite wood-concrete beams using utility poles: time-dependent behavior." *Journal of Structural Engineering*, ASCE, Vol. 137 No. 6, pp. 625-634.
38. Fragiacomo, M., and *Lukaszewska, E.** (2011). "Development of prefabricated timber-concrete composite floor systems." *ICE Journal Structures and Buildings – Timber Special Issue*, Vol. 164 No. SB2, pp. 117-129 (*Recipient of the Frederick Palmer Prize offered by the Institution of Civil Engineers – UK in 2012*).
37. *To, L.**, Fragiacomo, M., Balogh, J., and Gutkowski, R.M. (2011). "Long-term load test of a wood-concrete composite beam." *ICE Journal Structures and Buildings – Timber Special Issue*, Vol. 164 No. SB2, pp. 155-163.
36. *Yeoh, D.**, Fragiacomo, M., De Franceschi, M., and Buchanan, A. (2011). "Experimental tests of notched and plate connectors for LVL-concrete composite beams." *Journal of Structural Engineering*, ASCE, Vol. 137 No. 2, pp. 261-269.
35. Fragiacomo, M., *Menis, A.**, Moss, P., Buchanan, A., and Clemente, I. (2010). "Numerical and experimental evaluation of the temperature distribution within laminated veneer lumber (LVL) members exposed to fire." *Journal of Structural Fire Engineering*, Vol. 1 No. 3, pp. 145-159.
34. Gattesco, N., Macorini, L., and Fragiacomo, M. (2010). "Moment redistribution in continuous steel-concrete composite beams with compact cross-section." *Journal of Structural Engineering*, ASCE, Vol. 136 No. 2, pp. 193-202.
33. Moss, P., Buchanan, A., Fragiacomo, M., and *Austruy, C.** (2010). "Experimental testing and analytical prediction of the behaviour of timber bolted connections subjected to fire." *Fire Technology*, SiF'08 Special Issues 1 & 2, Vol. 46 No. 1, pp. 129-148.
32. *Lukaszewska, E.**, Fragiacomo, M., and Johnsson, H. (2010). "Laboratory tests and numerical analyses of prefabricated timber-concrete composite floors." *Journal of Structural*

Engineering, ASCE, Vol. 136 No.1, pp. 46-55.

31. *Smith, T.**, *Fragiacomo, M.*, Pampanin, S. and Buchanan, A. (2009). "Construction time and cost estimates for post-tensioned multi-storey timber buildings." Proceedings of the Institutions of Civil Engineers, Construction Materials, Special Issue on Timber Structures, Vol. 162 No. 4, pp. 141-149.
30. Moss, P.J., Buchanan, A.H., *Fragiacomo, M.*, Lau, P.H., and Chuo, T. (2009). "Fire performance of bolted connections in laminated veneer lumber." Fire and Materials, Vol. 33 No. 5, pp. 223-243.
29. *Yeoh, D.**, *Fragiacomo, M.*, Buchanan, A., and Gerber, C. (2009). "Preliminary research towards a semi-prefabricated LVL-concrete composite floor system for the Australasian market." Australian Journal of Structural Engineering, Special Issue on Timber, Vol. 9 No. 3, pp. 225-240.
28. *Lukaszewska, E.**, Johnsson, H., and *Fragiacomo, M.* (2008). "Performance of connections for prefabricated timber-concrete composite floors." Materials and Structures, RILEM, Vol. 41 No. 9, pp. 1533-1550.
27. Amadio, C., De Luca, O., *Fedrigo, C.**, *Fragiacomo, M.*, and Sandri, C. (2008). "Experimental and numerical analysis of a glass-to-steel joint." Journal of Structural Engineering, ASCE, Vol. 34 No. 8, pp. 1389-1397.
26. Amadio, C., Clemente, I., Macorini, L., and *Fragiacomo, M.* (2008). "Seismic behaviour of hybrid systems made of PR composite frames coupled with dissipative bracings." Earthquake Engineering and Structural Dynamics, Vol. 37 No. 6, pp. 861-879.
25. Buchanan, A., Deam, B., *Fragiacomo, M.*, Pampanin, S., and Palermo, A. (2008). "Multi-storey prestressed timber buildings in New Zealand." Structural Engineering International, IABSE, Special Edition on Tall Timber Buildings, Vol. 18 No. 2, pp. 166-173.
24. Deam, B.L., *Fragiacomo, M.*, and Gross, L.S. (2008). "Experimental behavior of prestressed LVL-concrete composite beams." Journal of Structural Engineering, ASCE, Vol. 134 No. 5, pp. 801-809.
23. *Pasticier, L.**, Amadio, C., and *Fragiacomo, M.* (2008). "Non-linear seismic analysis of a masonry building by means of the Sap2000 v.10 code." Earthquake Engineering and Structural Dynamics, Vol. 37 No. 3, pp. 467-485.
22. Deam, B.L., *Fragiacomo, M.*, and Buchanan, A.H. (2008). "Connections for composite concrete slab and LVL flooring systems." Materials and Structures, RILEM, Vol. 41 No. 3, pp. 495-507.
21. Balogh, J., *Fragiacomo, M.*, Gutkowski, R. M., and Fast, R.S. (2008). "Influence of repeated and sustained loading on the performance of layered wood-concrete composite beams." Journal of Structural Engineering, ASCE, Vol. 134 No. 3, pp. 430-439.
20. Amadio, C., *Fragiacomo, M.*, *Lucia, P.**, and de Luca, O. (2008). "Optimized design of a steel-glass parabolic vault using evolutionary multi-objective algorithms." International Journal of Space Structures, Vol. 23 No. 1, pp. 21-33.
19. *Fragiacomo, M.*, Amadio, C., and Macorini, L. (2007). "Short- and long-term performance of the "Tecnaria" stud connector for timber-concrete composite beams." Materials and Structures, RILEM, Vol. 40 No. 10, pp. 1013-1026.
18. *Fragiacomo, M.*, Gutkowski, R.M., Balogh, J., and Fast, R.S. (2007). "Long-term behavior of wood-concrete composite floor/deck systems with shear key connection detail." Journal of Structural Engineering, ASCE, Vol. 133 No. 9, pp. 1307-1315.

17. Ceccotti, A., Fragiacomo, M., and Giordano, S. (2007). "Long-term and collapse tests on a timber-concrete composite beam with glued-in connection." *Materials and Structures*, RILEM, Special Issue "Research for Reliable Timber Structures", Vol. 40 No. 1, pp. 15-25.
16. Fragiacomo, M., Amadio, C., and Rajgelj, S. (2006). "Evaluation of the structural response under seismic actions using non-linear static methods." *Earthquake Engineering & Structural Dynamics*, Vol. 35 No. 12, pp. 1511-1531.
15. Macorini, L., Fragiacomo, M., Amadio, C., and Izzuddin, B.A. (2006). "Long-term analysis of steel-concrete composite beams: FE modelling for effective width evaluation." *Engineering Structures*, Vol. 28 No. 8, pp. 1110-1121.
14. Fragiacomo, M., and Ceccotti, A. (2006). "Long-term behavior of timber-concrete composite beams. I: Finite element modeling and validation." *Journal of Structural Engineering*, ASCE, Vol. 132 No. 1, pp. 13-22.
13. Fragiacomo, M. (2006). "Long-term behavior of timber-concrete composite beams. II: Numerical analysis and simplified evaluation." *Journal of Structural Engineering*, ASCE, Vol. 132 No. 1, pp. 23-33.
12. Fragiacomo, M. (2005). "A finite element model for long-term analysis of timber-concrete composite beams." *Structural Engineering & Mechanics*, Vol. 20 No. 2, pp. 173-189.
11. Fragiacomo, M., Amadio, C., and *Macorini, L.** (2004). "Seismic response of steel frames under repeated earthquake ground motions." *Engineering Structures*, Vol. 26 No. 13, pp. 2021-2035.
10. Fragiacomo, M., Amadio, C., and *Macorini, L.** (2004). "A finite element model for collapse and long-term analysis of steel-concrete composite beams." *Journal of Structural Engineering*, ASCE, Vol. 130 No. 3, pp. 489-497.
9. Amadio, C., *Fedrico, C.**, Fragiacomo, M., and *Macorini, L.** (2004). "Experimental evaluation of effective width in steel-concrete composite beams". *Journal of Constructional Steel Research*, Vol. 60 No. 2, pp. 199-220.
8. Fragiacomo, M., Rajgelj, S., and *Cimadom, F.** (2003). "Design of bilinear hysteretic isolation systems." *Earthquake Engineering & Structural Dynamics*, Vol. 32 No. 9, pp. 1333-1352.
7. Amadio, C., and Fragiacomo, M. (2003). "Analysis of rigid and semi-rigid steel-concrete composite joints under monotonic loading. Part I: finite element modelling and validation." *Steel & Composite Structures*, Vol. 3 No. 5, pp. 349-369.
6. Amadio, C., and Fragiacomo, M. (2003). "Analysis of rigid and semi-rigid steel-concrete composite joints under monotonic loading. Part II: parametric study and comparison with the Eurocode 4 proposal." *Steel & Composite Structures*, Vol. 3 No. 5, pp. 371-382.
5. Amadio, C., Fragiacomo, M., and Rajgelj, S. (2003). "The effects of repeated earthquakes ground motions on the non-linear response of SDOF systems." *Earthquake Engineering & Structural Dynamics*, Vol. 32 No. 2, pp. 291-308.
4. Amadio, C., and Fragiacomo, M. (2003). "Seismic analysis of a historical stone-masonry industrial building by the Abaqus code." *European Earthquake Engineering*, Vol. 17 No. 1, pp. 18-30.
3. Amadio, C., and Fragiacomo, M. (2002). "Effective width evaluation for steel-concrete composite beams." *Journal of Constructional Steel Research*, Vol. 58 No. 3, pp. 373-388.
2. Fragiacomo, M., Amadio, C., and *Macorini, L.** (2002). "Influence of viscous phenomena on steel-concrete composite beams with normal or high performance slab." *Steel & Composite*

Structures, Vol. 2 No. 2, pp. 85-98.

1. Amadio, C., and Fragiacomo, M. (1997). "Simplified approach to evaluate creep and shrinkage effects in steel-concrete composite beams". Journal of Structural Engineering, ASCE, Vol. 123 No. 9, pp. 1153-1162.

Publications in international journals under review:

8. van de Lindt, J.W., Line, P., Barbosa, A., Furley, J., Amini, M.O., Pei, S., Rammer, D., *Tamagnone, G.**, Popovski, M., and Fragiacomo, M., "Experimental seismic behaviour of a two-story CLT platform building." Submitted to Engineering Structures.
7. Bedon, C., and Fragiacomo, M., "Numerical analysis of timber-to-timber joints and composite beams with inclined self-tapping screws." Submitted to Composite Structures.
6. Bedon, C., and Fragiacomo, M., "Fire performance of thermally insulated log-haus timber walls in compression: full-scale experimental tests and numerical analysis." Submitted to Fire Technology.
5. Bedon, C., and Fragiacomo, M., "Fire endurance of in-plane compressed log-haus timber walls with partial thermal insulation." Submitted to Engineering Structures.
4. Tiso, M., Izzi, M., Mäger, K.N., Just, A., Brandon, D., and Fragiacomo, M. "Evaluation of zero strength layers for timber members of protected floor assemblies under standard fire conditions." Submitted to Fire Safety Journal, Special issue "Wood Buildings and Fire".
2. Bedon, C., Rinaldin, G., Fragiacomo, M., and Noé, S. "Seismic vulnerability assessment and q-behaviour factor estimation for three dimensional log-haus timber buildings via Finite Element numerical simulations." Submitted to Soil Dynamics and Earthquake Engineering.
1. Amadio, C., Fragiacomo, M., and Macorini, L. "Long term response of steel-concrete composite girder bridges at serviceability limit state." Submitted to Structural Engineering and Mechanics.
8. van de Lindt, J.W., Line, P., Barbosa, A., Furley, J., Amini, M.O., Pei, S., Rammer, D., *Tamagnone, G.**, Popovski, M., and Fragiacomo, M., "Experimental seismic behaviour of a two-story CLT platform building." Submitted to Engineering Structures.

Publications in national journals:

11. Bedon, C., and Fragiaco, M. (2014). "Buckling of log-haus structural systems – A simplified method for in-plane buckling design of compressed log-haus walls." Ingenio, special issue on Timber structures, December 2014, Vol. 28, 20 pp. (in Italian).
10. Vassallo, D., Christovasilis, I. P., *Follesa, M.**, and Fragiacomo, M. (2014). "Design of a four-story cross laminated timber building in northern Italy." Wood Design Focus, Forest Products Society, Vol. 23 No. 4, http://www.forestprod.org/knowledge_base/demo2.0/Main/ind/?id=74442
9. Iqbal, A., Pampanin, S., Palermo, A., Buchanan, A., and Fragiacomo, M. (2013). "Seismic design options for post-tensioned timber walls." New Zealand Timber Design Journal, Vol. 21 No. 4, pp. 3-10.
8. *Ardalany, M.**, Fragiacomo, M., Carradine, D., and Moss, P. (2012). "Design of reinforcement around holes in laminated veneer lumber (LVL) beams." New Zealand Timber Design Journal, Vol. 20 No. 4, pp. 6-17.
7. Fragiacomo, M. (2011). "Seismic design: update of the Eurocode 8 – Timber part." Il Giornale dell'Ingegneria, Special Issue on 'Timber design', No. 5, March 1, 2011 (in Italian).

6. *Yeoh, D.**, *Fragiacomo, M.*, Aldi, P., Mazzilli, M., and Kuhlmann, U. (2009). "Performance of notched coach screw connection for timber-concrete composite floor system." *New Zealand Timber Design Journal*, Vol. 17 No. 1, pp. 4-10.
5. *Yeoh, D.**, *Fragiacomo, M.*, Buchanan, A., Crews, K., *Haskell, J.*, and Deam, B. (2009). "Development of semi-prefabricated timber-concrete composite floors in Australasia." *New Zealand Timber Design Journal*, Vol. 17 No. 1, pp. 13-18.
4. *Smith, T.**, Pampanin, S., *Fragiacomo, M.*, and Buchanan, A. (2008). "Design and construction of prestressed timber buildings for seismic areas." *New Zealand Timber Design Journal*, Vol. 16 No. 3, pp. 3-10.
3. *Davies, M.**, and *Fragiacomo, M.* (2008). "Long-term behaviour of laminated veneer lumber members prestressed with unbonded tendons." *New Zealand Timber Design Journal*, Vol. 16 No. 3, pp. 13-20.
2. Amadio, C., *Clemente, I.**, *Fragiacomo, M.*, *Macorini, L.**, Noè, S., and Pasquale, D. (2004). "Problems with semi-rigid steel frames modeling in seismic regions." *Costruzioni Metalliche* No. 3, pp. 44-51 (in Italian).
1. Amadio, C., and *Fragiacomo, M.* (1993). "A finite element model for the study of creep and shrinkage effects in composite beams with deformable shear connections." *Costruzioni Metalliche* No. 4, pp. 213-228.

Publications in peer reviewed proceedings of international conferences:

30. *Izzi, M.**, Polastri, A., and *Fragiacomo, M.* (2016). "Advanced modelling of CLT wall systems for earthquake resistant timber structures." Meeting three of the International Network on Timber Engineering Research (INTER), Graz (Austria), August 16-19, 14 pp.
29. Bedon, C., Rinaldin, G., Izzi, M. and *Fragiacomo, M.* (2016). "q-factor estimation for timber Blockhaus buildings." Meeting three of the International Network on Timber Engineering Research (INTER), Graz (Austria), August 16-19, 14 pp.
28. Concu, G, De Nicolo, B., Riu, R., Trulli, N., Valdes, M., and *Fragiacomo, M.* (2016). "Sonic testing on cross laminated timber panels." The Sixth International Conference on Structural Engineering, Mechanics and Computation - Insights and Innovations in Structural Engineering, Mechanics and Computation - SEMC 2016, Cape Town (South Africa), September 5-7, 4 pp., Print 978-1-138-02927-9 e-book (pdf) ISBN 978-1-315-64164-5.
27. Follesa, M., *Fragiacomo, M.*, Vassallo, D., Piazza, M., Tomasi, R., Rossi, S., and Casagrande, D. (2015). "A proposal for a new background document of Chapter 8 of Eurocode 8." Meeting two of the International Network on Timber Engineering Research (INTER), Šibenik (Croatia), August 24-27, 19 pp.
26. Bedon, C., *Fragiacomo, M.*, and Amadio, C. (2015). "Proposal of a Eurocode-based method for the buckling design of timber log-walls." Meeting two of the International Network on Timber Engineering Research (INTER), Šibenik (Croatia), August 24-27, 16 pp.
25. Bedon, C., *Fragiacomo, M.*, Amadio, C., and Battisti, A. (2014). "A buckling design approach for 'Blockhaus' timber walls under in-plane vertical loads." Meeting one of the International Network on Timber Engineering Research (INTER), Bath (UK), September 01-04, 12 pp.
24. Concu, G., De Nicolo, B., Trulli, N., Valdés, M., and *Fragiacomo, M.* (2013). "Strength class prediction of Sardinia grown timber by means of non destructive parameters." 2nd International Conference on Structural Health Assessment of Timber Structures (SHATIS 13), September 4-6, 2013, Trento (Italy), Maurizio Piazza and Mariapaola Riggio (eds.), Published in the Periodical: *Advanced Materials Research*, Vol. 778 (2013), pp. 191-198, ISSN: 1662-

8985, Trans Tech Publications, Switzerland, doi: 10.4028/www.scientific.net/AMR.778.191.

23. *Wrzesniak, D.**, *Rinaldin, G.**, *Fragiacomo, M.*, and Amadio, C. (2013). "Proposal for the q-factor of moment-resisting timber frames with high ductility dowel connectors." Meeting forty-six of the Working Commission W18-Timber Structures, CIB, International Council for Research and Innovation, Vancouver (Canada), August 26-29, paper No. CIB-W18/46-15-6, pp. 339-351.
22. *Gavric, I.**, *Fragiacomo, M.*, and Ceccotti, A. (2013). "Capacity seismic design of X-LAM wall systems based on connection mechanical properties". Meeting forty-six of the Working Commission W18-Timber Structures, CIB, International Council for Research and Innovation, Vancouver (Canada), August 26-29, paper No. CIB-W18/46-15-2, pp. 285-298.
21. *Sustersic, I.*, *Fragiacomo, M.*, and *Dujic, B.* (2011). "Influence of connection properties on the ductility and seismic resistance of multi-storey cross-lam buildings." Meeting forty-four of the Working Commission W18-Timber Structures, CIB, International Council for Research and Innovation, Alghero (Italy), August 29-September 1, paper No. CIB-W18/44-15-9, 11 pp.
20. *Follesa, M.*, *Fragiacomo, M.*, and *Lauriola, M.P.* (2011). "A proposal for revision of the current timber part (Section 8) of Eurocode 8 Part 1." Meeting forty-four of the Working Commission W18-Timber Structures, CIB, International Council for Research and Innovation, Alghero (Italy), August 29-September 1, paper No. CIB-W18/44-15-1, 13 pp.
19. *Moss, P.J.*, *Buchanan, A.H.*, *Nilsen, T.M.*, and *Fragiacomo, M.* (2011). "Fire resistance of connections in timber structures." In *Fragomeni, S.*, *Venkatesan, S.*, *Lam, N.*, and *Setunge, S.* (eds.), 21st Australasian Conference on the Mechanics of Structures & Materials ACMSM21, Melbourne (Australia), 7-10 Dec., pp. 495-500.
18. *Ardalany, M.*, *Deam, B.*, *Fragiacomo, M.*, and *Crews, K.* (2011). "Tension perpendicular to grain strength of wood, laminated veneer lumber (LVL), and cross-banded LVL (CBLVL)." In *Fragomeni, S.*, *Venkatesan, S.*, *Lam, N.*, and *Setunge, S.* (eds.), 21st Australasian Conference on the Mechanics of Structures & Materials ACMSM21, Melbourne (Australia), 7-10 Dec., pp. 891-896.
17. *Fragiacomo, M.*, and *Yeoh, D.* (2010). "Design of timber-concrete composite beams with notched connections." Meeting forty-three of the Working Commission W18-Timber Structures, CIB, International Council for Research and Innovation, Nelson (New Zealand), August 23-26, paper No. CIB-W18/43-7-4, 12 pp.
16. *Jorissen, A.*, and *Fragiacomo, M.* (2010). "Ductility in timber structures." Meeting forty-three of the Working Commission W18-Timber Structures, CIB, International Council for Research and Innovation, Nelson (New Zealand), August 23-26, paper No. CIB-W18/43-7-2, 13 pp.
15. *O'Neill, J.*, *Carradine, D.*, *Dhakal, R.*, *Moss, P.*, *Buchanan, A.*, and *Fragiacomo, M.* (2010). "Timber-concrete composite floors in fire." Meeting forty-three of the Working Commission W18-Timber Structures, CIB, International Council for Research and Innovation, Nelson (New Zealand), August 23-26, paper No. CIB-W18/43-16-3 10 pp.
14. *O'Neill, J.*, *Carradine, D.*, *Moss, P.*, *Fragiacomo, M.*, and *Buchanan, A.* (2010). "Design of timber-concrete composite floors for fire resistance." 6th International Conference on Structures in Fire SiF'10, Michigan State University, East Lansing, MI (USA), June 2-4, V. Kodur & J-M Franssen (eds), DEStech Publications, Inc., Lancaster, Pennsylvania, USA, pp. 536-543.
13. *Moss, P.J.*, *Nilsen, T.M.*, *Fragiacomo, M.*, and *Buchanan, A.H.* (2010). "Fire resistance of connections in timber structures." 6th International Conference on Structures in Fire SiF'10, Michigan State University, East Lansing, MI (USA), June 2-4, V. Kodur & J-M Franssen

(eds), DEStech Publications, Inc., Lancaster, Pennsylvania, USA, pp. 528-535.

12. Fragiacomo, M., Menis, A., Moss, P., Buchanan, A., and Clemente, I. (2009). "Comparison between the conductive model of Eurocode 5 and the temperature distribution within a timber cross-section exposed to fire." Meeting forty-two of the Working Commission W18-Timber Structures, CIB, International Council for Research and Innovation, Dübendorf (Switzerland), August 24-27, paper No. CIB-W18/42-16-3, 11 pp.
11. Moss, P.J., Buchanan, A.H., and Fragiacomo, M. (2008). "Predicting the behaviour of timber connections subjected to fire." In T. Aravinthan, W. Karunasena and H. Wang (eds.), 20th Australasian Conference on the Mechanics of Structures & Materials, Toowoomba, Queensland (Australia), 2-5 Dec., pp. 857-863.
10. Fragiacomo, M., and Davies, M. (2008). "Evaluation of the prestressing losses in timber members prestressed with unbonded tendons." Meeting forty-one of the Working Commission W18-Timber Structures, CIB, International Council for Research and Innovation, Saint Andrews, New Brunswick (Canada), August 24-28, paper No. CIB-W18/41-10-2, 10 pp.
9. Moss, P., Buchanan, A., Fragiacomo, M., and Austruy, C. (2008). "On the design of timber bolted connections subjected to fire." In K.H. Tan, V.K.R. Kodur and T.H. Tan (eds.), 5th International Conference on Structures in Fire, Singapore, 28-30 May, pp. 632-643.
8. Lukaszewska, E., Fragiacomo, M., and Frangi, A. (2007). "Evaluation of the slip modulus for ultimate limit state verifications of timber-concrete composite structures." Meeting forty of the Working Commission W18-Timber Structures, CIB, International Council for Research and Innovation, Bled (Slovenia), August 28-31, paper No. CIB-W18/40-7-5, 14 pp.
7. Schänzlin, J., and Fragiacomo, M. (2007). "Extension of EC5 Annex B formulas for the design of timber-concrete composite structures." Meeting forty of the Working Commission W18-Timber Structures, CIB, International Council for Research and Innovation, Bled (Slovenia), August 28-31, paper No. CIB-W18/40-10-1, 10 pp.
6. Fragiacomo, M., Buchanan, A.H., Moss, P., Carshalton, D.*, and Austruy, C.* (2007). "Predicting the strength of bolted timber connections subjected to fire." Meeting forty of the Working Commission W18-Timber Structures, CIB, International Council for Research and Innovation, Bled (Slovenia), August 28-31, paper No. CIB-W18/40-7-1, 12 pp.
5. Palermo, A., Pampanin, S., Fragiacomo, M., Buchanan, A.H., Deam, B.L., and Pasticier, L.* (2006). "Quasi-static cyclic tests on seismic-resistant beam-to-column and column-to-foundation subassemblies using Laminated Veneer Lumber (LVL)." 19th Australasian Conference on the Mechanics of Structures & Materials, Christchurch (New Zealand), 29 Nov.-1 Dec., pp. 1043-1049.
4. Fragiacomo, M., and Deam, B.L. (2006). "Composite concrete slab and LVL flooring systems." 19th Australasian Conference on the Mechanics of Structures & Materials, Christchurch (New Zealand), 29 Nov.-1 Dec., pp. 57-62.
3. Fragiacomo, M., and Ceccotti, A. (2006). "Simplified approach for the long-term behaviour of timber-concrete composite beams according to the Eurocode 5 provisions." Meeting thirty-nine of the Working Commission W18-Timber Structures, CIB, International Council for Research and Innovation, Florence (Italy), August 28-31, paper No. CIB-W18/39-9-1, 12 pp.
2. Pampanin, S., Palermo, A., Buchanan, A.H., Fragiacomo, M., and Deam, B.L. (2006). "Code provisions for seismic design of multi-storey post-tensioned timber buildings." Meeting thirty-nine of the Working Commission W18-Timber Structures, CIB, International Council for Research and Innovation, Florence (Italy), August 28-31, paper No. CIB-W18/39-15-6, 12 pp.
1. Ceccotti, A., Fragiacomo, M., and Gutkowski, R.M. (2002). "Design of timber-concrete

composite structures according to EC5-2002 version.” Meeting thirty-five of the Working Commission W18-Timber Structures, CIB, International Council for Research and Innovation, Kyoto (Japan), September, Paper No. CIB-W18/35-15-6, 10 pp.

Publications in non-refereed proceedings of international conferences

97. van de Lindt, J.W., Amini, M.O., Furley, J., Pei, S., *Tamagnone, G.**, Barbosa, A.R., Line, P., Rammer, D., and Fragiacomo, M. (2018). “Experimental seismic behavior of a two-story CLT platform building: shake table testing results.” 15th World Conference on Timber Engineering WCTE 2018, Seoul (South Korea), August 20-23, 2018, 7 pp., CD.
96. *D’Arenzo, G.**, Rinaldin, G., Fossetti, M., Fragiacomo, M. and Nebiolo, F. (2018). “Tensile and shear behaviour of an innovative angle bracket for CLT structures.” 15th World Conference on Timber Engineering WCTE 2018, Seoul (South Korea), August 20-23, 2018, 9 pp., CD.
95. Bedon, C., Fragiacomo, M., and *Tamagnone, G.** (2018). “Numerical investigation on timber-to-timber joints and composite beams with inclined self-tapping screws.” 15th World Conference on Timber Engineering WCTE 2018, Seoul (South Korea), August 20-23, 2018, 7 pp., CD.
94. *Tamagnone, G.**, and Fragiacomo, M. (2018). “On the rocking behavior of CLT wall assemblies.” 15th World Conference on Timber Engineering WCTE 2018, Seoul (South Korea), August 20-23, 2018, 8 pp., CD.
93. Pei, S., van de Lindt, J.W., Barbosa, A.R., Berman, J., Blomgren, H.-E, Dolan, J., McDonnell, E., Zimmerman, R., Fragiacomo, M., and Rammer, D. (2018). “Full-scale shake table test of a two-story mass timber building with resilient rocking walls.” 16th European Conference on Earthquake Engineering (16ECEE), Thessaloniki (Greece), June 18-21, 10 pp.
92. van de Lindt, J.W., Furley, J., Amini, M.O., Pei, S., *Tamagnone, G.**, Barbosa, A.R., Rammer, D., Line, P., Fragiacomo, M., and Popovski, M. (2018). “Experimental seismic behaviour of a two-storey CLT platform building: Design and shake table testing.” 16th European Conference on Earthquake Engineering (16ECEE), Thessaloniki (Greece), June 18-21, 12 pp.
91. Concu, G., Fragiacomo, M., Trulli, N. and Valdès, M. (2017). “Non-destructive assessment of gluing in cross-laminated timber panels.” WIT Transactions on Ecology and The Environment, Vol 226, 9th International Conference on Sustainable Development and Planning, Bristol (UK), June, 27–29, 559-569.
90. Giaccu, G.F., Meloni, D., Valdès, M., and Fragiacomo, M. (2017). “Dynamic determination of the modulus of elasticity of maritime pine cross-laminated panels using vibration methods.” WIT Transactions on Ecology and The Environment, Vol 226, 9th International Conference on Sustainable Development and Planning, Bristol (UK), June, 27–29, 571-579.
89. Rinaldin, G., Fragiaco, M., and Amadio, C. (2017). “Accuracy of N2 inelastic spectra for timber structures.” 1st ECCOMAS Thematic Conference on Computational Methods in Wood Mechanics - from Material Properties to Timber Structures – COMPWOOD 2017, J. Füssl, T. Bader, J. Eberhardsteiner (eds.), Vienna (Austria), June 7-9, 1 pp. (Abstract).
88. Fragiacomo, M., Rinaldin, G., Bedon, C., and Izzi, M. (2017). “A framework for seismic analysis of timber structures.” 1st ECCOMAS Thematic Conference on Computational Methods in Wood Mechanics - from Material Properties to Timber Structures – COMPWOOD 2017, J. Füssl, T. Bader, J. Eberhardsteiner (eds.), Vienna (Austria), June 7-9, 1 pp. (Abstract – Key-note speaker).

87. Bedon, C., and Fragiacomo, M. (2017). “Numerical investigation of the in-plane seismic performance of timber log-haus walls with reinforced dovetails.” 6th ECCOMAS Thematic Conference on Computational Methods in Structural Dynamics and Earthquake Engineering - COMPDYN 2017, M. Papadrakakis, M. Fragiadakis (eds.), Rhodes Island (Greece), June 15–17, 2017, 10 pp.
86. *Berardinucci, B.**, Di Nino, S., Gregori, A., and Fragiacomo, M. (2017). “Mechanical behavior of timber-concrete connections with inclined screws.” 1st International Conference on Timber Structures and Engineering - Timber Structures 2017, New Forest (UK), June 13-15, 2017, 14 pp.
85. Rinaldin, G., Scaramuzza, L., Amadio, C., and Fragiacomo, M. (2017). “Behaviour of non and partially re-centering structures under repeated ground motions.” 16th World Conference on Earthquake Engineering, 16WCEE 2017, Santiago (Chile), January 9-13, 2017, Paper No. 1928 12 pp.
84. Bedon, C., Rinaldin, G., Fragiacomo, M. and Noé, S. (2016). “Finite element assessment of the seismic performance of three dimensional Blockhaus buildings.” 14th World Conference on Timber Engineering WCTE 2016, Vienna (Austria), August 22-25, 2016, 9 pp., CD.
83. Sustersic, I., Fragiacomo, M., and Dujic, B. (2016). “Seismic analysis of cross laminated timber buildings using code prescribed methods.” 14th World Conference on Timber Engineering WCTE 2016, Vienna (Austria), August 22-25, 2016, 8 pp., CD.
82. Van Bakel, R., Rinaldin, G., Leijten, A.J.M., and Fragiacomo, M. (2016). “Experimental tests and numerical modelling of timber joints with tube fasteners.” 14th World Conference on Timber Engineering WCTE 2016, Vienna (Austria), August 22-25, 2016, 8 pp., CD.
81. Bedon, C., and Fragiacomo, M. (2016). “FE modelling of notched connections for timber-concrete composite structures.” 14th World Conference on Timber Engineering WCTE 2016, Vienna (Austria), August 22-25, 2016, 9 pp., CD.
80. Iqbal, A., Pampanin, S., Fragiacomo, M., and Buchanan, A. (2016). “Response of plywood-coupled post-tensioned LVL walls to repeated seismic loading.” 14th World Conference on Timber Engineering WCTE 2016, Vienna (Austria), August 22-25, 2016, 11 pp., CD.
79. *Tamagnone, G.**, Rinaldin, G., and Fragiacomo, M. (2016). “A simplified non-linear procedure for seismic design of CLT wall systems.” 14th World Conference on Timber Engineering WCTE 2016, Vienna (Austria), August 22-25, 2016, 9 pp., CD.
78. *Izzi, M.**, Rinaldin, G., Fragiacomo, M., and Polastri, A. (2016). “Numerical modelling of steel-to-timber joints and connectors for CLT structures.” 14th World Conference on Timber Engineering WCTE 2016, Vienna (Austria), August 22-25, 2016, 9 pp., CD.
77. Follesa, M., Fragiacomo, M. (2016). “Seismic design of mixed CLT/light-frame multi-storey buildings.” 14th World Conference on Timber Engineering WCTE 2016, Vienna (Austria), August 22-25, 2016, 10 pp., CD.
76. Follesa, M., Fragiacomo, M., Casagrande, D., Tomasi, R., Piazza, M., Vassallo, D., and Rossi, S. (2016). “The new version of Chapter 8 of Eurocode 8.” 14th World Conference on Timber Engineering WCTE 2016, Vienna (Austria), August 22-25, 2016, 7 pp., CD.
75. Vassallo, D., Follesa, M., and Fragiacomo, M. (2016). “Seismic design of a six-storey CLT building in Florence, Italy.” 14th World Conference on Timber Engineering WCTE 2016, Vienna (Austria), August 22-25, 2016, 10 pp., CD.
74. Bedon, C., Fragiaco, M., Amadio, C., and Battisti, A. (2014). “Buckling behaviour of Blockhaus timber walls under in-plane vertical loads.” Proceedings of COST Action FP1004 Conference – Experimental Research with Timber, Prague, Czech Republic, May 21-23 2014.

pp. 42-49. Ed. Kay-Uwe Schober, published by University of Bath. ISBN 1-85790-183-5.

73. Rinaldin, G., *Poh'sie, G.H.**, Fragiacomo, M., Amadio, C., and Pontarin, F. (2014). "Non-linear modelling of the three and seven storey X-lam buildings tested within the SOFIE project." 13th World Conference on Timber Engineering WCTE 2014, Quebec City (Canada), August 10-14, 2014, 9 pp., CD.
72. *Poh'sie, G.H.**, Rinaldin, G., Fragiacomo, M., Amadio, C., and Ceccotti, A. (2014). "Application of translational tuned-mass dampers on the seven storey building tested within the SOFIE project." 13th World Conference on Timber Engineering WCTE 2014, Quebec City (Canada), August 10-14, 2014, 10 pp., CD.
71. *Wanninger, F.**, Frangi, A., and Fragiacomo, M. (2014). "Post-tensioned timber connections: experimental analysis of the long term behavior." 13th World Conference on Timber Engineering WCTE 2014, Quebec City (Canada), August 10-14, 2014, 9 pp., CD.
70. Bedon, C., Fragiacomo, M., Amadio, C., and Battisti, A. (2014). "Buckling of 'Blockhaus' walls under in-plane vertical loads." 13th World Conference on Timber Engineering WCTE 2014, Quebec City (Canada), August 10-14, 2014, 9 pp., CD.
69. *Wrzesniak, D.**, Rodgers, G.W., Fragiacomo, M., and Chase, J.G. (2014). "Damage avoidance design of timber structures using high-force-to-volume damping devices." 13th World Conference on Timber Engineering WCTE 2014, Quebec City (Canada), August 10-14, 2014, 10 pp., CD.
68. *Gavric, I.**, Fragiacomo, M., Popovski, M., and Ceccotti, A. (2013). "Behaviour of cross-laminated timber panels under cyclic loads." RILEM Conference "Materials and Joints in Timber Structures – Recent Developments of Technology", October 08 – 10, Stuttgart (Germany), S. Aicher, H.-W. Reinhardt, & H. Garrecht (eds.), RILEM Bookseries 9, Springer, pp. 689-702, doi: 10.1007/978-94-007-7811-5_62.
67. Sustersic, I., Dujic, B., and Fragiacomo, M. (2013). "Influence of the connection modelling on the seismic behaviour of crosslam timber buildings." RILEM Conference "Materials and Joints in Timber Structures – Recent Developments of Technology", October 08 – 10, Stuttgart (Germany), S. Aicher, H.-W. Reinhardt, & H. Garrecht (eds.), RILEM Bookseries 9, Springer, pp. 677-687, doi: 10.1007/978-94-007-7811-5_61.
66. *Rinaldin, G.**, and Fragiacomo, M. (2013). "A component model for cyclic behaviour of wooden structures." RILEM Conference "Materials and Joints in Timber Structures – Recent Developments of Technology", October 08 – 10, Stuttgart (Germany), S. Aicher, H.-W. Reinhardt, & H. Garrecht (eds.), RILEM Bookseries 9, Springer, pp. 519-530, doi: 10.1007/978-94-007-7811-5_48.
65. *Wrzesniak, D.**, Fragiacomo, M., and Jorissen, A. (2013). "Alternative approach to avoid brittle failure in dowelled connections." RILEM Conference "Materials and Joints in Timber Structures – Recent Developments of Technology", October 08 – 10, Stuttgart (Germany), S. Aicher, H.-W. Reinhardt, & H. Garrecht (eds.), RILEM Bookseries 9, Springer, pp. 273-287, doi: 10.1007/978-94-007-7811-5_26.
64. Schmid, J., Menis, A., Fragiacomo, M., Boström, L., Just, A., Gustafsson, A., and Bochicchio, G. (2013). "The load-bearing performance of CLT wall elements in full-scale fire tests." 13th International Fire Science and Engineering Conference Interflam 2013, 24-26 June, Royal Holloway College, University of London (UK), Vol. 2, pp. 1143-1156.
63. Fragiacomo, M. (2013). "Seismic behaviour of cross-laminated timber buildings: numerical modelling and design provisions." COST Action FP1004 Conference "Focus Solid Timber Solutions – European Conference on Cross Laminated Timber (CLT)", May 21-22, Graz

(Austria), Edited by R. Harris, A. Ringhofer and G. Schickhofer, published by The University of Bath, ISBN Number: 1-85790-181-9, pp. 166-182.

62. Concu, G., De Nicolo, B., Valdés, M., Fragiacomo, M., *Menis, A.**, and Trulli, N. (2012). “Experimental grading of locally grown timber to be used as structural material.” 2nd International Conference on Civil Engineering and Building Materials (CEBM2012), November 17-18, Hong Kong (China).
61. *Gavric, I.**, Rinaldin, G., Amadio, C., Fragiacomo, M., and Ceccotti, A. (2012). “Experimental-numerical analyses of the seismic behaviour of cross-laminated wall systems.” 15th World Conference on Earthquake Engineering (15WCEE), September 24-28, Lisbon (Portugal).
60. Fragiacomo, M., *Menis, A.**, Clemente, I., Bochicchio, G., and Tessadri, B. (2012). “Experimental and numerical behaviour of cross-laminated timber floors in fire conditions.” 12th World Conference on Timber Engineering WCTE 2012, Auckland (New Zealand), July 16-19, 2012, Vol. 2, pp. 36-43, CD.
59. Iqbal, A., Pampanin, S., Fragiacomo, M., Palermo, A., and Buchanan, A. (2012). “Seismic response of post-tensioned LVL walls coupled with plywood sheets.” 12th World Conference on Timber Engineering WCTE 2012, Auckland (New Zealand), July 16-19, 2012, Vol. 5, pp. 291-296, CD.
58. Yeoh, D., Fragiacomo, M., and Deam, B. (2012). “Long-term performance of LVL-concrete composite beams under service load.” 12th World Conference on Timber Engineering WCTE 2012, Auckland (New Zealand), July 16-19, 2012, Vol. 3, pp. 461-465, CD.
57. *Gavric, I.**, Fragiacomo, M., and Ceccotti, A. (2012). “Strength and deformation characteristics of typical X-lam connections.” 12th World Conference on Timber Engineering WCTE 2012, Auckland (New Zealand), July 16-19, 2012, Vol. 2, pp. 146-155, CD.
56. Sustersic, I., Fragiacomo, M., and Dujic, B. (2012). “Influence of the connection behaviour on the seismic resistance of multi-storey crosslam buildings.” 12th World Conference on Timber Engineering WCTE 2012, Auckland (New Zealand), July 16-19, 2012, Vol. 3, pp. 402-410, CD.
55. Balogh, J., Fragiacomo, M., Gutkowski, R., Atadero, R., and Ivanyi, P. (2012). “Fatigue behavior of notched connections in wood-concrete composites.” 12th World Conference on Timber Engineering WCTE 2012, Auckland (New Zealand), July 16-19, 2012, Vol. 3, pp. 146-150, CD.
54. Fragiacomo, M., Amadio, C., *Sancin, L.**, and *Rinaldin, G.** (2012). “Seismic analysis of a light-frame timber building with and without friction pendulum base isolation.” 12th World Conference on Timber Engineering WCTE 2012, Auckland (New Zealand), July 16-19, 2012, Vol. 2, pp. 420-428, CD.
53. *Ardalany, M.**, Fragiacomo, M., Deam, B., and Buchanan, A. (2012). “Design of reinforcement around holes in laminated veneer lumber (LVL) beams.” 12th World Conference on Timber Engineering WCTE 2012, Auckland (New Zealand), July 16-19, 2012, Vol. 1, pp. 539-547, CD.
52. Fragiacomo, M., Amadio, C., *Rinaldin, G.**, and *Sancin, L.** (2012). “Non-linear modelling of wooden light-frame and X-lam structures.” 12th World Conference on Timber Engineering WCTE 2012, Auckland (New Zealand), July 16-19, 2012, Vol. 5, pp. 152-157, CD.
51. Fragiacomo, M., *Menis, A.**, and Clemente, I. (2012). “Finite element modelling of cross-laminated timber floors exposed to fire.” 7th International Scientific Conference Wood & Fire Safety, Strbske Pleso, The Patria Hotel, Slovakia, May 13-16, 2012, 8 pp.

50. *Flustochowicz, G.**, and *Fragiacomo, M.* (2011). “Prefabricated stabilising walls for multi-storey timber buildings - General concepts and preliminary design.” Structural Engineers World Congress 2011, Villa Erba, Como (Italy), April 4-6, 9 pp., CD.
49. Balogh, J., *Fragiacomo, M.*, Miller, N., Gutkowski, R. M., and Atadero, R. (2010). “Testing of wood-concrete composite beams with shear key detail.” 1st International Conference Timber Bridges ICTB2010, Lillehammer (Norway), September 12-15, Editor Kjell A. Malo, Otto Kleppe, Tormod Dyken, ISBN 978-82-519-2680-5, Tapir Academic Press, pp. 393-398.
48. *Fragiacomo, M.*, and Schänzlin, J. (2010). “Moisture-induced stresses in timber-concrete composite structures.” 1st International Conference on Structures & Architecture, University of Minho, Guimarães (Portugal), July 21-23, 8 pp.
47. *Fragiacomo, M.*, *Menis, A.**, Moss, P., Clemente, I., and Buchanan, A. (2010). “Numerical and experimental thermal-structural behaviour of laminated veneer lumber (LVL) exposed to fire.” 11th World Conference on Timber Engineering WCTE 2010, Riva del Garda (Italy), June 20-24, 2010, 10 pp., CD.
46. *Fragiacomo, M.*, Batchelar, M., *Wallington, C.**, and Buchanan, A. (2010). “Moment joints in timber frames using glued-in steel rods: experimental investigation of long-term performance.” 11th World Conference on Timber Engineering WCTE 2010, Riva del Garda (Italy), June 20-24, 2010, 10 pp., CD.
45. *Yeoh, D.**, *Fragiacomo, M.*, Buchanan, A., and Deam, B. (2010). “Experimental and analytical performance of LVL-concrete composite floor beams.” 11th World Conference on Timber Engineering WCTE 2010, Riva del Garda (Italy), June 20-24, 2010, 10 pp., CD.
44. *Lukaszewska, E.**, and *Fragiacomo, M.* (2010). “Static and dynamic (vibration) performance of composite beams with prefabricated concrete slab.” 11th World Conference on Timber Engineering WCTE 2010, Riva del Garda (Italy), June 20-24, 2010, 10 pp., CD.
43. *O'Neill, J.**, Carradine, D., Moss, P., Buchanan, A., and *Fragiacomo, M.* (2010). “Fire performance of timber-concrete composite floors.” 11th World Conference on Timber Engineering WCTE 2010, Riva del Garda (Italy), June 20-24, 2010, 10 pp., CD.
42. *Fragiacomo, M.*, and Schänzlin, J. (2010). “The effect of moisture and temperature variations on timber-concrete composite beams.” 11th World Conference on Timber Engineering WCTE 2010, Riva del Garda (Italy), June 20-24, 2010, 8 pp., CD.
41. *Ardalany, M.**, Deam, B., *Fragiacomo, M.*, and Buchanan, A. (2010). “Numerical investigation of the load carrying capacity of laminated veneer lumber (LVL) joists with holes.” 11th World Conference on Timber Engineering WCTE 2010, Riva del Garda (Italy), June 20-24, 2010, 10 pp., CD.
40. Balogh, J., Miller, N., *Fragiacomo, M.*, and Gutkowski, R.M. (2010). “Time-dependent behaviour of composite wood-concrete bridges made from salvaged utility poles.” 11th World Conference on Timber Engineering WCTE 2010, Riva del Garda (Italy), June 20-24, 2010, 8 pp., CD.
39. *Abd Ghafar, H.**, Deam, B., and *Fragiacomo, M.* (2010). “Vibration susceptibility of multi-span LVL-concrete composite floors.” 11th World Conference on Timber Engineering WCTE 2010, Riva del Garda (Italy), June 20-24, 2010, 7 pp., CD.
38. *Abd Ghafar, H.**, Deam, B., and *Fragiacomo, M.* (2009). “Dynamic measurements of LVL-concrete composite floors.” 13th Asia Pacific Vibration Conference, University of Canterbury, Christchurch (New Zealand), November 22-25, pp. 8, CD.
37. *Fragiacomo, M.*, Amadio, C., and Macorini, L. (2009). “Time-dependent behaviour of the ‘Tecnaria’ stud connector for timber-concrete composite structures.” International

Symposium “Timber Structures from Antiquity to the Present” edited by J. Chilton and I. Mungan, Istanbul (Turkey), June 25-27, pp. 275-286.

36. *Yeoh, D.**, *Fragiacomo, M.*, Buchanan, A., and Deam, B. (2009). “Experimental behaviour at ultimate limit state of a semi-prefabricated timber-concrete composite floor system.” International Symposium “Timber Structures from Antiquity to the Present” edited by J. Chilton and I. Mungan, Istanbul (Turkey), June 25-27, pp. 287-298.
35. *Yeoh, D.**, *Fragiacomo, M.*, *Abd Ghafar, H.**, Buchanan, A., Deam, B., and Crews, K. (2008). “Behaviour of timber-concrete composite floor systems.” Australasian Structural Engineering Conference ASEC 2008, Melbourne (Australia), June 26-27, 2008, Paper No. 009, 11 pp.
34. *Yeoh, D.**, *Fragiacomo, M.*, Buchanan, A., Crews, K., *Haskell, J.**, and Deam, B. (2008). “Development of semi-prefabricated timber-concrete composite floors in Australasia.” 10th World Conference on Timber Engineering WCTE 2008, Miyazaki (Japan), June 2-5, 2008, 8 pp., CD.
33. *Yeoh, D.**, *Fragiacomo, M.*, Aldi, P., *Mazzilli, M.**, and Kuhlmann, U. (2008). “Performance of notched coach screw connection for timber-concrete composite floor system.” 10th World Conference on Timber Engineering WCTE 2008, Miyazaki (Japan), June 2-5, 2008, 8 pp., CD.
32. *Lukaszewska, E.**, and *Fragiacomo, M.* (2008). “Static performance of prefabricated timber-concrete composite systems.” 10th World Conference on Timber Engineering WCTE 2008, Miyazaki (Japan), June 2-5, 2008, 8 pp., CD.
31. Moss, P., *Fragiacomo, M.*, *Austruy, C.**, and Buchanan, A. (2008). “On the design of timber bolted connections subjected to fire.” 10th World Conference on Timber Engineering WCTE 2008, Miyazaki (Japan), June 2-5, 2008, 8 pp., CD.
30. Balogh, J, *Fragiacomo, M.*, Gutkowski, R. M., and Fast, R.S. (2008). “Performance of wood-concrete beams under repeated and sustained loading.” 10th World Conference on Timber Engineering WCTE 2008, Miyazaki (Japan), June 2-5, 2008, 8 pp., CD.
29. Schänzlin, J., and *Fragiacomo, M.* (2008). “Modelling and design of timber-concrete-composite structures in the long-term.” 10th World Conference on Timber Engineering WCTE 2008, Miyazaki (Japan), June 2-5, 2008, 8 pp., CD.
28. *Davies, M.**, and *Fragiacomo, M.* (2008). “Long-term behaviour of laminated veneer lumber members prestressed with unbonded tendons.” 10th World Conference on Timber Engineering WCTE 2008, Miyazaki (Japan), June 2-5, 2008, 8 pp., CD.
27. *Smith, T.**, Pampanin, S., *Fragiacomo, M.*, and Buchanan, A. (2008). “Design and construction of prestressed timber buildings for seismic areas.” 10th World Conference on Timber Engineering WCTE 2008, Miyazaki (Japan), June 2-5, 2008, 8 pp., CD.
26. *Abd Ghafar, H.**, Deam, B., *Fragiacomo, M.*, and Buchanan, A. (2008). “Vibration performance of LVL- concrete composite floor systems.” 10th World Conference on Timber Engineering WCTE 2008, Miyazaki (Japan), June 2-5, 2008, 8 pp., CD.
25. Gattesco, N., Macorini, L., and *Fragiacomo, M.* (2007). “Allowable moment redistribution in the structural design of continuous steel-concrete composite beams.” 4th Specialty Conference on “The Conceptual Approach to Structural Design”, Venice, Italy, 28-29 June 2007, 8 pp., CD.
24. Amadio, C., Clemente, I., Macorini, L., and *Fragiacomo, M.* (2007). “Seismic behaviour of composite frames coupled with viscoelastic dissipative bracings.” Pacific Structural Steel Conference 2007 “Steel Structures in Natural Hazards”, Wairakei, New Zealand, 13-16 March

2007, Vol. 2, pp. 363-368.

23. Gutkowski, R.M., Fast, R.S., Balogh, J., and Fragiacomo, M. (2006). "Time-dependent load performance of notched wood-concrete composite beams." Structural Faults + Repair-2006 Conference, Edinburgh, Scotland (UK), June 13-15, 11 pp., CD, ISBN-0-947644-59-8.
22. Palermo, A., Pampanin, S., Fragiacomo, M., Buchanan, A.H., and Deam, B.L. (2006). "Innovative seismic solutions for multi-storey LVL timber buildings." 9th World Conference on Timber Engineering WCTE 2006, Portland (U.S.A.), August 6-10, 8 pp., CD.
21. Buchanan, A.H., Deam, B.L., Fragiacomo, M., Gibson, T., and Morris, H. (2006). "Fifteen years of performance-based design in New Zealand." 9th World Conference on Timber Engineering WCTE 2006, Portland (U.S.A.), August 6-10, 8 pp., CD.
20. Fragiacomo, M., Gutkowski, R.M., Balogh, J., and Fast, R.S. (2006). "Long-term behaviour of wood-concrete composite beams with notched connection detail." 9th World Conference on Timber Engineering WCTE 2006, Portland (U.S.A.), August 6-10, 8 pp., CD.
19. Ceccotti, A., Fragiacomo, M., and Giordano, S. (2006). "Behaviour of a timber-concrete composite beam with glued connection at strength limit state." 9th World Conference on Timber Engineering WCTE 2006, Portland (U.S.A.), August 6-10, 8 pp., CD.
18. Amadio, C., Clemente, I., Macorini, L., and Fragiacomo, M. (2006). "Seismic analysis of partially restrained composite frames coupled with dissipative bracings." 5th International Conference Stessa 2006, Yokohama (Japan), August 14-17, pp. 565-571.
17. Amadio, C., *Moschino, D.**, and Fragiacomo, M. (2006). "Probabilistic analysis of a PR steel-concrete composite frame." 5th International Conference Stessa 2006, Yokohama (Japan), August 14-17, pp. 573-579.
16. Fragiacomo, M., and Ceccotti, A. (2004). "A simplified approach for long-term evaluation of timber-concrete composite beams." 8th World Conference on Timber Engineering WCTE 2004, Lahti (Finland), June 14-17, Vol. 2, pp. 537-542.
15. Grantham, R., Enjily, V., Fragiacomo, M., *Nogarol, C.**, *Zidaric, I.**, and Amadio, C. (2004). "Potential upgrade of timber frame buildings in the UK using timber-concrete composites." 8th World Conference on Timber Engineering WCTE 2004, Lahti (Finland), June 14-17, Vol. 2, pp. 59-64.
14. Amadio, C., Fragiacomo, M., *Macorini, L.**, and *Petrovich, F.** (2003). "The effect of repeated earthquakes on steel structures." 4th International Conference Stessa 2003, Naples (Italy), 9-12 June, pp. 389-395.
13. Amadio, C., Fragiacomo, M., and Rajgelj, S. (2002). "The effect of repeated seismic actions on structures." 12th European Conference on Earthquake Engineering, London (U.K.), September 9-13, CD.
12. Amadio, C., Fragiacomo, M., and *Macorini, L.** (2002). "A new effective F.E. formulation for studying the long-term behaviour of continuous steel-concrete composite beams." 5th World Congress on Computational Mechanics (WCCM), Vienna (Austria), July 7-12, <http://wccm.tuwien.ac.at>.
11. Amadio, C., Fragiacomo, M., Ceccotti, A., and Di Marco, R. (2001). "Long-term behaviour of a timber-concrete connection system." RILEM Conference "Joints in Timber Structures", Stuttgart (Germany), September 12-14, pp. 263-272.
10. Amadio, C., Fragiacomo, M., Ceccotti, A., and Di Marco, R. (2001). "Influence of rheological phenomena in timber-concrete composite beams." IABSE Conference "Innovative Wooden Structures and Bridges", Lahti (Finland), August 29-31, pp. 525-530.

9. Fragiacomo, M. (2000). “Long-term behaviour of timber-concrete composite beams.” 3rd International Ph.D. Symposium in Civil Engineering, Vienna (Austria), October 5-7, Vol. 1, pp. 525-535.
8. Fragiacomo, M., and Schänzlin, J. (2000). “Modelling of timber–concrete floor structures.” Cost Workshop “Timber construction in the new millennium”, Venice (Italy), September 29.
7. Amadio, C., Fragiacomo, M., Rajgelj, S., and *Scarabelli, F.** (2000). “Effects of repeated seismic events on structures.” 3rd International Conference Stessa 2000, Montreal (Canada), August 21-24, pp. 435-442.
6. Amadio, C., Ceccotti, A., Di Marco, R., and Fragiacomo, M. (2000). “Numerical evaluation of long-term behaviour of timber-concrete composite beams.” World Conference on Timber Engineering WCTE 2000, Vancouver, British Columbia (Canada), July 31-Aug. 3, CD.
5. Fragiacomo, M., Amadio, C., and *Macorini, L.** (2000). “Numerical evaluation of long-term behaviour for continuous steel-concrete composite beams.” International Conference on Steel Structures of the 2000’s, Istanbul (Turkey), September 11-13, pp. 137-142.
4. Amadio, C., Briganti, D., and Fragiacomo, M. (2000). “Effective width for an elastic or plastic analysis of a steel-concrete composite beam.” International Conference on Steel Structures of the 2000’s, Istanbul (Turkey), September 11-13, pp. 143-148.
3. Amadio, C., Fragiacomo, M., and Rajgelj, S. (2000). “Seismic response under repeated earthquakes.” 3rd Japan-Turkey Workshop on Earthquake Engineering, Istanbul (Turkey), February 21-25, Vol. 1, pp. 29-41
2. Amadio, C., Di Marco, R., and Fragiacomo, M. (1999). “A linear finite element model to study creep and shrinkage effects in a timber-concrete composite beam with deformable connections.” RILEM Symposium on Timber Engineering, Stockholm (Sweden), September 13-15, pp. 747-756.
1. Amadio, C., and Fragiacomo, M. (1997). “Evaluation of long-term effects in the steel-concrete composite beams.” International Conference on Composite Construction, Innsbruck (Austria), September 16-18, pp. 211-216.

Publications in proceedings of national conferences

60. Bedon, C., and Fragiacomo, M. (2017). “Numerical analysis of timber log-haus walls with steel dovetail reinforcements under in-plane seismic loads.” 17th ANIDIS Conference “The Earthquake Engineering in Italy”, Pistoia (Italy), Sept. 17th-21st, Franco Braga, Walter Salvatore & Andrea Vignoli Editors, 10 pp., CD.
59. *Tamagnone, G.**, and Fragiacomo, M. (2017). “On the seismic design of Xlam structures.” 17th ANIDIS Conference “The Earthquake Engineering in Italy”, Pistoia (Italy), Sept. 17th-21st, Franco Braga, Walter Salvatore & Andrea Vignoli Editors, 9 pp., CD (in Italian).
58. Fanale, L., Rinaldin, G., Fragiacomo, M., Alaggio, R., and Antonacci, E. (2017). “Investigation on the dynamic behaviour of the isolated seismic mass for the construction of a 6-degrees-of-freedom shaking table.” 17th ANIDIS Conference “The Earthquake Engineering in Italy”, Pistoia (Italy), Sept. 17th-21st, Franco Braga, Walter Salvatore & Andrea Vignoli Editors, 7 pp., CD (in Italian).
57. Pontarin, F., Rinaldin, G., Amadio, C., and Fragiacomo, M. (2015). “Implementation of response spectrum analysis and adaptive pushover procedures in OpenSees.” 2nd Italian Conference “OpenSees Days Italy”, Salerno (Italy), June 10-11, 2015, 8 pp.
56. Rinaldin, G., Pontarin, F., and Fragiacomo, M. (2015). “Advanced modelling and analysis of X-lam buildings with the openses framework.” 2nd Italian Conference “OpenSees Days

Italy”, Salerno (Italy), June 10-11, 2015, 8 pp.

55. Tamagnone, G., Rinaldin, G., and Fragiacomo, M. (2015). “A simplified procedure for non-linear design of the metal connectors in XLam timber walls subjected to gravity and lateral loads.” 16th ANIDIS Conference “The Earthquake Engineering in Italy”, L’Aquila (Italy), Sept. 13th-17th, Franco Braga & Dante Galeota Editors, 10 pp., CD.
54. Izzi, M., Flatscher, G., Rinaldin, G., Fragiacomo, M., and Schickhofer, G. (2015). “Experimental tests on annular ringed shank nails for seismic resistant Cross-Laminated Timber (CLT) structures.” 16th ANIDIS Conference “The Earthquake Engineering in Italy”, L’Aquila (Italy), Sept. 13th-17th, Franco Braga & Dante Galeota Editors, 11 pp., CD.
53. Follesa, M., Vassallo, D., Fragiacomo, M., Piazza, M., Tomasi, R. Rossi, S., and Casagrande, D. (2015). “Una proposta di revisione del Capitolo 8 sulle strutture di legno dell’Eurocodice 8.” 16th ANIDIS Conference “The Earthquake Engineering in Italy”, L’Aquila (Italy), Sept. 13th-17th, Franco Braga & Dante Galeota Editors, 13 pp., CD (in Italian).
52. Bedon, C., Rinaldin, G., Fragiacomo, M., and Amadio, C. (2015). “Exploratory cyclic and dynamic numerical investigation for the assessment of the seismic vulnerability of *Blockhaus* shear walls under in-plane lateral loads.” 16th ANIDIS Conference “The Earthquake Engineering in Italy”, L’Aquila (Italy), Sept. 13th-17th, Franco Braga & Dante Galeota Editors, 12 pp., CD.
51. Fong, L.Y., *Abd. Ghafar, N.H.**, Abd Rahman, N., Fragiacomo, M., Ibrahim, Z., and Buchanan, A. (2014). “Comparison between the vibration performance of LVL-concrete composite (LCC) flooring system made of Malaysian and New Zealand LVL.” The National Seminar on Civil Engineering Research (SEPKA 2014), UTM Training Centre, Universiti Teknologi Malaysia (UTM) Johor Bahru, April 14-15, Malaysia, pp. 10, CD.
50. Bedon, C., Fragiacomo, M., Amadio, C., and Sadoch, C. (2013). “Experimental and numerical seismic characterization of ‘Blockhaus’ shear walls under in-plane lateral loads.” 32nd National Conference of the GNGTS, Italian Group of Geophysics of Solid Ground, Trieste (Italy), November 19-21, Vol. 2, pp. 22 – 29, ISBN 978-902101-7-4.
49. Rinaldin, G., Amadio, C., and Fragiacomo, M. (2013). “Effectiveness of the N2 method for the seismic analysis of structures with different hysteretic behaviour.” 32nd National Conference of the GNGTS, Italian Group of Geophysics of Solid Ground, Trieste (Italy), November 19-21, Vol. 2, pp. 131 – 136, ISBN 978-902101-7-4 (***Recipient of the prize offered by the AGLC – Licio Cernobori’s Geophysical Association, to the best paper in the stream “Seismic Hazard, Vulnerability, and Damage Scenarios” presented by an author less than 35-year old.***)
48. *Poh’sie, G.H.**, Amadio, C., *Rinaldin, G.**, Fragiacomo, M., and Ceccotti, A. (2013). “Application of tuned mass dampers on multi-storey timber buildings.” 15th ANIDIS Conference “The Earthquake Engineering in Italy”, Franco Braga & Claudio Modena Editors, Padua (Italy), June 30th-July 4th, 10 pp., CD (in Italian).
47. *Rinaldin, G.**, Amadio, C., and Fragiacomo, M. (2013). “Accuracy of the N2 and overdamped spectrum method for different hysteretic models.” 15th ANIDIS Conference “The Earthquake Engineering in Italy”, Franco Braga & Claudio Modena Editors, Padua (Italy), June 30th-July 4th, 10 pp., CD.
46. *Rinaldin, G.**, Fragiacomo, M., *Poh’sie, G.H.**, and Amadio, C. (2013). “A component model for seismic analysis of light frame timber structures.” 15th ANIDIS Conference “The Earthquake Engineering in Italy”, Padua (Italy), Franco Braga & Claudio Modena Editors, June 30th-July 4th, 9 pp., CD (in Italian).

45. *Wrzesniak, D.**, Amadio, C., *Rinaldin, G.**, and Fragiacomo, M. (2013). “Non-linear cyclic modelling of moment-resisting timber frames.” 15th ANIDIS Conference, Padua (Italy), Franco Braga & Claudio Modena Editors, June 30th-July 4th, 9 pp., CD.
44. Bedon, C., Fragiacomo, M., Amadio, C., and Sadoch, C. (2013). “Experimental and numerical investigation of “Blockhaus” shear walls under in-plane cyclic loads.” 15th ANIDIS Conference “The Earthquake Engineering in Italy”, Franco Braga & Claudio Modena Editors, Padua (Italy), June 30th-July 4th, 11 pp., CD.
43. *Rinaldin, G.**, Amadio, C., and Fragiacomo, M. (2012). “Non-linear springs for cyclic analysis of wooden structures.” Proceedings of the OpenSees Days – Modelling, calculation and analysis of structures in earthquake-prone regions – 1st Italian Conference. Roma, May 24-25.
42. Fragiacomo, M., Amadio, C., and *Sancin, L.** (2011). “Numerical modeling of a strategic timber building in L'Aquila with and without passive base isolation.” 30th National Conference of the GNGTS, Italian Group of Geophysics of Solid Ground, Trieste (Italy), November 14-17, pp. 208-210, ISBN 978-88-902101-6-8.
41. Amadio, C., Fragiacomo, M., Macorini, L., and Lovato, S. (2011). “Long-term analysis of steel-concrete composite beams in cracked and uncracked phase.” 23rd CTA (Italian Steel) Conference, Ischia (Italy), October 9-12, pp. 111-123 (in Italian).
40. Fragiacomo, M., *Menis, A.**, Clemente, I., and Bochicchio, G. (2011). “Fire resistance of cross-laminated timber floors.” 23rd CTA (Italian Steel) Conference, Ischia (Italy), October 9-12, pp. 571-578 (in Italian).
39. *Rinaldin, G.**, Amadio, C., and Fragiacomo, M. (2011). “A component approach for non-linear behavior of cross-laminated solid timber panels.” 14th ANIDIS Conference, Bari (Italy), September 18th-22nd, 10 pp., CD.
38. *Gavric, I.**, Ceccotti, A., and Fragiacomo, M. (2011). “Experimental cyclic tests on cross-laminated timber panels and typical connections.” 14th ANIDIS Conference, Bari (Italy), September 18th-22nd, 12 pp., CD.
37. Newcombe, M.P., van Beerschoten, W.A., Carradine, D., Pampanin, S., Buchanan, A.H., Deam, B.L., and Fragiacomo, M. (2009). “In-plane experimental testing of timber-concrete composite floor diaphragms.” New Zealand Society for Earthquake Engineering Conference 2009, Christchurch (New Zealand), April 3-5, Paper No. 19, CD, 8 pp.
36. Fragiacomo, M. (2009). “Timber-concrete composite bridges.” 3rd Italian Workshop on Bridge Design “BridgeItaly 2009”, Padova (Italy), December 14.
35. *Smith, T.**, Pampanin, S., Buchanan, A., and Fragiacomo, M. (2008). “Feasibility and detailing of prestressed timber buildings for seismic areas.” New Zealand Society for Earthquake Engineering Conference 2008, Wairakei (New Zealand), April 11-13, Paper No. 53, CD, 8 pp. (*recipient of the Prize for the Best Research Paper at the New Zealand Society for Earthquake Engineering Conference 2008*).
34. *Abd. Ghafar, N. H.**, Deam, B., Fragiacomo, M., and Buchanan, A. (2008). “Susceptibility to vibrations of LVL-concrete composite floors.” 7th Italian Workshop on Composite Construction, Benevento (Italy), October 23-24, pp. 321-328.
33. *Yeoh, D.*, Fragiacomo, M., *De Franceschi, M.**, and Clemente, I. (2008). “Short- and long-term investigations of LVL-concrete composite floors in Australasia.” 7th Italian Workshop on Composite Construction, Benevento (Italy), October 23-24, pp. 309-320.
32. Gattesco, N., Macorini, L., and Fragiacomo, M. (2008). “Moment redistribution limits for steel-concrete composite beams accounting for ULS and SLS requirements.” 7th Italian

Workshop on Composite Construction, Benevento (Italy), October 23-24, pp. 23-32.

31. *Smith, T.**, *Ludwig, F.**, Pampanin, S., *Fragiacomo, M.*, Buchanan, A., Deam, B., and Palermo, A. (2007). "Seismic response of hybrid-LVL coupled walls under quasi-static and pseudo-dynamic testing." New Zealand Society for Earthquake Engineering Conference 2007, Palmerston North (New Zealand), March 30-April 1, Paper No. 60, CD, 8 pp.
30. *Pettigrew, T.M.**, *Fragiacomo, M.*, and Bull, D.K. (2006). "Verification of raker shores using New Zealand timber." New Zealand Society for Earthquake Engineering Conference 2006, Napier (New Zealand), March 10-12, Paper No. 10, CD, 10 pp.
29. Amadio, C., Clemente, I., *Fragiacomo, M.*, and *Macorini, L.** (2005). "Seismic analysis of partially restrained composite frames coupled with dissipative bracings." 20th CTA Conference "Advances in Steel Construction", Ischia (Italy), Sept. 26-28, pp. 1-8.
28. Amadio, C., Clemente, I., *Fragiacomo, M.*, and *Macorini, L.** (2005). "Modelling of steel-concrete composite frames with semi-rigid joints by means of the component method." 20th CTA Conference "Advances in Steel Construction", Ischia (Italy), Sept. 26-28, pp. 9-16.
27. *Fragiacomo, M.*, Amadio C., and *Macorini, L.** (2004). "Stud connector 'Tecnaria' for timber-concrete composite beams: short- and long-term experimental tests." 6th Italian Workshop on Composite Construction, Trieste (Italy), November 22-23, CD (in Italian).
26. Amadio, C., *Fragiacomo, M.*, Ferro, D., *Macorini, L.**, and Pasquale, D. (2004). "On the modeling of steel-concrete semi-rigid joints and PR composite frames using the component method." 6th Italian Workshop on Composite Construction, Trieste (Italy), November 22-23, CD (in Italian).
25. Amadio, C., *Martin, A.**, and *Fragiacomo, M.* (2004). "Seismic analysis of a steel frame coupled with dissipative bracings." 6th Italian Workshop on Composite Construction, Trieste (Italy), November 22-23, CD (in Italian).
24. Amadio, C., De Luca, O., *Fedriago, C.**, *Fragiacomo, M.*, and *Sandri, C.** (2004). "Experimental tests and numerical analysis of a glass-to-steel connection subjected to shear." 6th Italian Workshop on Composite Construction, Trieste (Italy), November 22-23, CD (in Italian).
23. Amadio, C., *Lucia, P.**, *Fragiacomo, M.*, and De Luca, O. (2004). "Optimal design of steel-glass barrel vaults using the genetic algorithm code 'Frontier'." 6th Italian Workshop on Composite Construction, Trieste (Italy), November 22-23, CD (in Italian).
22. *Fragiacomo, M.*, Amadio, C., and *Macorini, L.** (2004). "Collapse and serviceability behaviour of a stud connector for timber-concrete composite structures." 15th CTE Conference, Bari, November 4-6, Vol. 1, pp. 313-322 (in Italian).
21. Gattesco, N., *Macorini, L.**, and *Fragiacomo M.* (2004). "Numerical evaluation of the possible moment redistribution in steel-concrete composite beams" 15th CTE Conference, Bari, November 4-6, Vol. 1, pp. 211-220 (in Italian).
20. *Macorini, L.*, Amadio, C., *Foresto, E.**, and *Fragiacomo, M.* (2003). "Evaluation of effective width for steel-concrete composite beams under long-term loading." 19th CTA Conference, Genoa, September 28-30, Vol. 1, pp. 281-292 (in Italian).
19. Amadio, C., *Clemente, I.**, *Fragiacomo, M.*, *Macorini, L.**, Noè, S., and Pasquale, D. (2003). "On the numerical modelling of partially restrained steel frames in seismic regions". 19th CTA Conference, Genoa, September 28-30, Vol. 1, pp. 157-168 (in Italian).
18. Amadio, C., *Fragiacomo, M.*, *Macorini, L.**, and Urizio, M. (2002). "Evaluation of deflections under the service load for composite beams with different static schemes and

modalities of construction”. 5th Italian Workshop on Composite Construction, Salerno, November 28-29, Vol. 1, pp. 37-51 (in Italian).

17. Amadio, C., Fragiacomo, M., *Macorini, L.**, and Qualli, A. (2002). “Effect of casting sequence on behaviour under the service load of composite girder bridges in cracked and uncracked phase”. 5th Italian Workshop on Composite Construction, Salerno, November 28-29, Vol.1, pp. 113-128 (in Italian).
16. Amadio, C., *Fedriigo, C.**, Fragiacomo, M., and *Macorini, L.** (2002). “Experimental investigation of the shear lag phenomenon in steel-concrete composite beams”. 5th Italian Workshop on Composite Construction, Salerno, November 28-29, Vol.1, pp. 53-70 (in Italian).
15. Amadio, C., Fragiacomo, M., *Macorini, L.**, and Urizio, M. (2002). “On the serviceability limit state verification of propped and unpropped steel-concrete composite beams with deformable connection.” 14th CTE Conference, Mantua, November 7-9, Vol. 2, pp. 465-473 (in Italian).
14. Amadio, C., Fragiacomo, M., Grandelis, F., and *Macorini, L.** (2001). “On the modelling of semi-rigid steel-concrete composite joints.” 18th CTA Conference, Venice, September 26-28, Vol. 2, pp. 341-354 (in Italian).
13. Amadio, C., Fragiacomo, M., and *Kliman, I.** (2001). “Effect of repeated earthquakes on structures.” 10th ANIDIS Conference, Potenza, September 9-13, CD (in Italian).
12. Amadio, C., *Fedriigo, F.**, Fragiacomo, M., *Pozzetto, O.**, Ceccotti, A., and Di Marco, R. (2000). “Numerical modelling and long-term behavior of timber-concrete composite beams”. 4th Italian Workshop on Composite Construction, Palermo, November 23-24, pp. 293-305 (in Italian).
11. Amadio, C., Fragiacomo, M., and *Macorini, L.** (2000). “Parameters affecting the short-and long-term modelling of steel-concrete composite beams.” 4th Italian Workshop on Composite Construction, Palermo, November 23-24, pp. 36-49 (in Italian).
10. Amadio, C., Ceccotti, A., Di Marco, R., and Fragiacomo, M. (2000). “Effects of rheological phenomena on behaviour of timber-concrete composite beams.” 13th CTE Conference, Pisa, November 9-11, Vol. 1, pp. 59-68 (in Italian).
9. Amadio, C., Fragiacomo, M., and *Macorini, L.** (2000). “Effects of shrinkage and creep on steel-concrete composite beams with normal or high strength concrete slab”. 13th CTE Conference, Pisa, November 9-11, Vol. 1, pp. 69-78 (in Italian).
8. Amadio, C., Briganti, D., and Fragiacomo, M. (1999). “Effective width in steel-concrete composite beams for an ultimate analysis.” 17th CTA Conference, Naples, October 3-7, Vol. 2, pp. 239-249.
7. Amadio, C., and Fragiacomo, M. (1999). “A finite element model for short and long term analysis of steel-concrete composite beams in cracked phase.” 17th CTA Conference, Naples, October 3-7, Vol. 2, pp. 251-261.
6. Amadio, C., and Fragiacomo, M. (1998). “Influence of connection properties on evaluation of short- and long-term effects for steel-concrete composite beams under service loading.” 3rd Italian Workshop on Composite Construction, Ancona, October 29-30, pp. 21-42 (in Italian).
5. Amadio, C., and Fragiacomo, M. (1997). “Effects produced by creep on steel-concrete composite beams with slab reinforcement and simplified evaluation based on the AAEM method.” 16th CTA Conference, Ancona, October 2-5, pp. 33-46 (in Italian).
4. Amadio, C., and Fragiacomo, M. (1995). “Evaluation of shrinkage effects in steel-concrete

composite beams with deformable connection.” 15th CTA Conference, Riva del Garda (Trento), October 15-18, pp. 1-12 (in Italian).

3. Amadio, C., and Fragiacomo, M. (1995). “Simplified evaluation of creep effects in composite beams with deformable connection.” 2nd Italian Workshop on Composite Construction, Naples, June 22-23, pp. 19-38 (in Italian).
2. Amadio, C., and Fragiacomo, M. (1993). “Evaluation of creep and shrinkage effects in steel-concrete composite beams with rigid or deformable connection using a simplified approach based on the AAEM method.” 14th CTA Conference, Viareggio, October 24-27, pp. 22-38 (in Italian).
1. Amadio, C., and Fragiacomo, M. (1993). “On the evaluation of rheological phenomena in composite beams with rigid or deformable connection using the AAEM method.” 1st Italian Workshop on Composite Construction, Trento, June 17-18, pp. 133-151 (in Italian).

Research reports

11. Bedon, C., Amadio, C., and Fragiacomo, M. (2012). “Buckling experiments on full-scale blockhaus walls under in-plane compression.” Research Report, University of Trieste, Italy, 31 pp.
10. Fragiacomo, M. (2012). “Experimental-analytical behaviour of multilayer timber panels under in-plane and out-of-plane loading.” Final Research Report for the Sardinia Region, founding agency of the corresponding research project, University of Sassari, Italy, 19 pp. (in Italian).
9. Bedon, C., Fragiacomo, M., and Amadio, C. (2012). “Implementation of an advanced numerical model in Abaqus for in-plane cyclic behaviour of ‘Blockhaus’ (log-house) timber walls.” Research Report, University of Sassari, Italy, 180 pp. (in Italian).
8. *Wallington, C.C.**, Fragiacomo, M., Buchanan, A., and Batchelar, M. (2009). “Long term deformation of epoxy glued glulam portal frame knee joints.” Final Report for Building Research Association of New Zealand Inc. – Contract No. 85147, May 2009.
7. Crews, K., Gerber, C., *Yeoh, D.**, Buchanan, A., and Fragiacomo, M. (2008). “Innovative engineered timber building systems for non residential applications. Summary report testing of prototype components and floor beams for Forest and Wood Products Australia.” Milestone 4 – September 2008.
6. Crews, K., Gerber, C., Buchanan, A., and Fragiacomo, M. (2008). “Innovative engineered timber building systems for non residential applications. Report Of Test Specification And Results - Prototype Components - For Forest And Wood Products Association.” Milestone 3 – May 2008.
5. Crews, K., Gerber, C., Choi, F., Buchanan, A., and Fragiacomo, M. (2007). “Innovative engineered timber building systems for non residential applications. Preliminary report (concept design) and literature review for Forest and Wood Products Association.” Milestone 2 – November 2007.
4. *Pasticier, L.**, Pampanin, S., Fragiacomo, M., Buchanan, A., and Palermo, A. (2006). “Experimental and numerical validation of innovative connections for LVL (laminated veneer lumber) frame systems: Laboratory results from tests carried out on a column-foundation subassembly.” Research report, Dept. of Civil Engineering, University of Canterbury, New Zealand, 68 pp.
3. Amadio, C., Fragiacomo, M., *Martin, A.**, and *Pasquale, D.** (2004). “Seismic analysis of partially restrained frames coupled with dissipative bracings.” Technical report No. 3, Scientific research programme of relevant national interest “Advanced design and system

performance control of steel-concrete composite frames in earthquake-prone areas” – June 2004.

2. Amadio, C., Clemente, I., Ferro, D., Fragiacomo, M., and *Pasquale, D.** (2003). “Component modeling of semi-rigid composite joints under cyclic loading.” Technical report No. 2, Scientific research programme of relevant national interest “Advanced design and system performance control of steel-concrete composite frames in earthquake-prone areas” – December 2003.
1. Amadio, C., *Clemente, I.**, Fragiacomo, M., and *Pasquale, D.** (2003). “Cyclic modelling of joint and seismic analysis of frames with semi-rigid composite joints.” Technical report No. 1, Scientific research programme of relevant national interest “Advanced design and system performance control of steel-concrete composite frames in earthquake-prone areas” – September 2003.