**Mr. Matteo Izzi (Italy)**

University of Trieste, CNR IVALSA Trees and Timber Institute
Trieste, Italy

izzimatteo (at) gmail.com

COST FP1402, WG3 Member, STSM Candidate

| *Personal* | *Organisation* | | |
|---|---|---|---|
| Years of experience in relevant field: 2<br>Expertise: Practical research on steel-to-timber nailed connections, FE modelling of connections (dowel-type fasteners, hold-downs and angle-brackets) and CLT wall systems (CLT wall plus connections), practical research on Blockhaus log walls<br>Degree: Master of Science (Laurea Magistrale) (24.10.2013) | Department of Engineering and Architecture (http://dia.units.it)<br>Focus: theoretical and practical research / innovation<br>FacilitiesTesting labs, cluster of computer for numerical simulations | | |
| | No. of staff | PhD students | MSc/year |
| | 3 | 1 | 2 |

*Research projects*

"Finite element modelling and design of earthquake resistant timber structures", January 2014 - December 2016, Doctoral Research Program. Matteo Izzi (Doctoral Candidate, University of Trieste and CNR IVALSA Trees and Timber Institute), Massimo Fragiacomo (Supervisor, University of L'Aquila), Giovanni Rinaldin (Co-Supervisor, University of Sassari), Andrea Polastri (Co-Supervisor, CNR IVALSA Trees and Timber Institute)

"Assessment of the structural stability of Blockhaus timber log-walls under in-plane compression via full-scale buckling experiments", March 2014 - July 2014, Research Program in collaboration with Rubner Haus AG SpA. Chiara Bedon (University of Trieste), Giovanni Rinaldin (University of Sassari), Matteo Izzi (University of Trieste and CNR IVALSA Trees and Timber Institute), Massimo Fragiacomo (University of L'Aquila), Claudio Amadio (University of Trieste)

Exploring cyclic and dynamic numerical investigation for the assessment of the seismic vulnerability of Blockhaus shear walls under in-plane lateral loads, January 2015 - June 2015. Chiara Bedon (University of Trieste), Giovanni Rinaldin (University of Sassari), Massimo Fragiacomo (University of L'Aquila), Claudio Amadio (University of Trieste)

*Publications*

Izzi M., Flatscher G., Rinaldin G., Fragiacomo M., Schickhofer G. Experimental tests on annular ringed shank nails for seismic resistant Cross-Laminated Timber (CLT) structures. Proceedings of the XVI Conference of the Italian National Association of Earthquake Engineering (ANIDIS 2015), University of L'Aquila, L'Aquila, Italy, September 13-17, 2015, 11 pp., USB stick.

Tamagnone G., Rinaldin G., Fragiacomo M. A simplified procedure for non-linear design of the metal connectors in XLam timber walls subjected to gravity and lateral loads. Proceedings of ANIDIS 2015, University of L'Aquila, L'Aquila, Italy, September 13-17, 2015, 10 pp., USB stick.

Exploring cyclic and dynamic numerical investigation for the assessment of the seismic vulnerability of Blockhaus shear walls under in-plane lateral loads. Proceedings of ANIDIS 2015, University of L'Aquila, L'Aquila, Italy, September 13-17, 2015, 12 pp., USB stick.

Bedon C., Rinaldin G., Fragiacomo M., Amadio C. Proposal of a Eurocode-based method for the buckling design of timber log-walls. Proceedings of the INTER 2015 meeting, Šibenik, Croatia, paper INTER/48-2-1.

Bedon C., Rinaldin G., Izzi M., Fragiacomo M., Amadio C. Assessment of the structural stability of Blockhaus timber walls under in-plane compression via full-scale buckling experiments. Construction & Building Materials 2015, 78: 474-490, doi: http://dx.doi.org/10.1016/j.conbuildmat.2015.01.049.