

**Dr. Miha Kramar (Slovenia)**

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COST FP1402, MC Substitute, WG1 Member



<i>Personal</i>		<i>Organisation</i>	
Years of experience in relevant field: 3 Expertise: Assessment of the load-carrying capacity of existing building structures, laboratory tests of structures and structural elements, modelling of different types of timber structures and elements (timber frame structures, CLT), seismic risk assessment Degree: PhD. (11.07.2008)		Section for Metal, Timber and Polymer Structures ( <a href="http://www.zag.si">http://www.zag.si</a> ) Focus: practical research /innovation Facilities: Modular equipment for performing tests of building structures and their elements under static or dynamic loadings (max. length: 30 m, max. load: 6000 kN), onedirectional shaking table (2 m x 3.2 m), Zwick 250 kN, Resistograph IML PD500, Brookhuis Timber Grader MTG	
		No. of staff	PhD students
		10	0
<i>Research projects</i>			
National projects: 1.) L2-2214: Strength grading of timber structural elements 2.) J2-6749: Seismic behaviour of multi-storey shear walls with openings 3.) J2-5461: Design of structures for tolerable seismic risk using non-linear methods of analysis 4.) Z2-3659: Seismic resistance of modern masonry structures 5.) V2-0469: Technical-economic analysis of energy retrofitting of residential buildings COST actions: 1.) COST Action E53: »Quality Control for Wood and Wood Products«, 2006-2010 2.) COST Action FP1404: »Fire safe use of bio-based building products«, 2014-2019 3.) COST Action FP1004: »Enhance mechanical properties of timber, engineered wood products and timber structures«, 2010-2015 4.) COST Action FP1101: »Assessment, Reinforcement and Monitoring of Timber Structures« 2010-2015			
<i>Publications</i>			
1.) PAZLAR, Tomaž, KRAMAR, Miha. Traditional timber structures in extreme weather conditions. International Journal of Architectural Heritage: Conservation, Analysis, and Restoration. 2015. 2.) SEIM, Werner, KRAMAR, Miha, PAZLAR, Tomaž, VOGT, Tobias. OSB and GFB as Sheathing Materials for Timber-Framed Shear Walls: Comparative Study of Seismic Resistance. ASCE Journal of Structural Engineering, Special issue on Seismic Resistant Timber Structures, 2015 (accepted for publication). 3.) LUTMAN, Marjana, ŠKET MOTNIKAR, Barbara, WEISS, Polona, KLEMENC, Iztok, ZUPANČIČ, Polona, CERK, Matej, JERAJ, Julij, BANOVEC, Primož. Aspects of earthquake risk management in Slovenia. Accepted for 4th International Conference on Building Resilience, 8-10 September 2014 4.) TOMAŽEVIČ, Miha, GAMS, Matija. Shaking table study and modelling of seismic behaviour of confined AAC masonry buildings. Bulletin of earthquake engineering, Jun 2012, vol. 10, issue 3, 863-893. 5.) LUTMAN, Marjana. Seismic resistance assessment of heritage masonry buildings in Ljubljana. International journal of architectural heritage, ISSN 1558-3058. [Print ed.], Jul. 2010, vol. 4, iss. 3, pp. 198-221.			

