

Dr. Tomasz Nowak (Poland)

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COST FP1402, MC Member, WG4 Member



<i>Personal</i>		<i>Organisation</i>		
Years of experience in relevant field: 14 Expertise: historic timber structures, strengthening, repair, non-destructive testing, epoxy resins, FRPs Degree: PhD (21.11.2007)		Faculty of Civil Engineering (www.wbliw.pwr.edu.pl) Focus: theoretical and practical research/innovation, education/training and examination of existing structures Facilities: The Testing Laboratory of the Faculty of Civil Engineering has been granted the accreditation of the Polish Centre for Accreditation		
		No. of staff	PhD students	MSc/year
		-	-	-
<i>Research projects</i>				
Innovative methods of modifications of timber glulam girders by using internal reinforcement. No. N N506 048640. Principal Investigators: Jasieńko J, Nowak T. Sponsoring Agency: National Science Center, Poland. 8 persons involved. Duration: 2011-2014. COST Action FP1004 "Enhance mechanical properties of timber, engineered wood products and timber structures". Duration: 2011-2015. COST Action FP1101 "Assessment, Reinforcement and Monitoring of Timber Structures". Duration: 2011-2015.				
<i>Publications</i>				
Jankowski L.J., Nowak T. (2015) Experimental assessment of the glued laminated timber beams in 4-point bending tests and photoelastic coating technique. Solid State Phenomena (accepted) Ilharco T, Lechner T., Nowak T (2015) Assessment of timber floors by means of non-destructive testing methods. Construction and Building Materials (2015), doi:10.1016/j.conbuildmat.2015.05.133 Jasieńko J., Nowak T. (2014) Solid timber beams strengthened with steel plates – Experimental studies. Construction and Building Materials 63: 81-88. Lechner T., Nowak T., Kliger R. (2014) In situ assessment of the timber floor structure of the Skansen Lejonet fortification, Sweden. Construction and Building Materials 58: 85-93. Jasieńko J., Nowak T., Bednarz Ł. (2014) The baroque structural ceiling over the Leopoldinum Auditorium in Wrocław University - tests, conservation and a strengthening concept. International Journal of Architectural Heritage 8(2): 269-289. Nowak T., Jasieńko J., Czepizak D. (2013) Experimental tests and numerical analysis of historic bent timber elements reinforced with CFRP strips. Construction and Building Materials 40: 197-206. Jasieńko J., Nowak T., Hamrol K. (2013) Selected methods of diagnosis of historical timber structures - principles and possibilities of assessment. Advanced Materials Research 778: 225-232.				

