

Dr. Andrii Bidakov (Ukraine)

Kharkiv National University of Civil Engineering and Architecture

Kharkiv Ukraine

Bidakov(at)mail.ru

COST FP1402, NNC Member, MC Observer, WG2 Member



<i>Personal</i>	<i>Organisation</i>		
Years of experience in relevant field: - Expertise: Timber anisotropy of strength and elastic properties, scale factor, plywood thin-webbed beams, LVL, glued-in steel rods. Degree Dr.-Ing. (22.12.2014)	Metal and Timber Constructions (www.kstuca.kharkov.ua) Focus: theoretical and practical research/innovation, design of structures and education/training Facilities: Testing labs, press equipment		
	No. of staff	PhD students	MSc/year
	3	2	25
<i>Research projects</i>			
Recent research projects : -investigation of new type of glued thin-webbed beam with curved plywood webs and without cross ribs, 2011-2013, Fursov, Bidakov -renovation of glued laminated timber (GLT) electro- physical complex which stay in outdoor conditions with length 55m, width 6m and high 33m, 2012-2013, Fursov, Bidakov -investigation of scale factor in solid timber (ST) and GLT, developing of module of volume deformation, Fursov, Bidakov Present research projects : -analysis of mechanical and elastic properties of laminated veneer lumber (LVL) and tests of flued-in steel rods, 2014, Fursov, Bidakov, Raspopov -theoretical analysis of information about CLT panels as constructive orthotropic material			
<i>Publications</i>			
1.V.V. Fursov, A.M. Bidakov. Glued thin-webbed beams with X-form plywood webs. Design, manufacture and installation of steel constructions. Experience and prospects of development: collection of scientific papers "V.Shimanovsky Ukrainian Research and Design Institute of Steel Constructions" -2013.-No.12, p. 88-94 2.Fursov V, Bidakov A, Influence of cross sections dimensions on the strength characteristics of GLT. Promising Directions of Innovative Development of Construction Industry and Engineering Training (PDDC 2014), part 1, p.287-292, Brest, Belarus, 2014. 3.V.V. Fursov, A.M. Beidakov, M. Puriazdanhah. Comparative analysis of results theoretical and experimental full-scale investigations of GLT arch. (Electronic resource) Engineering Bulletin of Don. -2014, No. 2: http://www.ivdon.ru/magazine/archive/n2y2014/2395 . 4.V.V. Fursov, A.M. Beidakov. Puzzle joints of plywood elements building constructions. Scientific bulletin of building: collection of papers.-Kharkiv:KNUCEA, 2014, No. 76, p.90-93 5.V.V. Fursov, A.M. Bidakov. New Thin-webbed beam constructions with X-form plywood web. Materials of International scientific-technical conference "Innovative building technologies, theory and practice", - Orenburg Russia, 2013, p.209-214. 6.V.V. Fursov, A.M. Bidakov, M. Puriazdanhah. Timber compression strength by loading action in different angles to the grains. Scientific bulletin of building : collection of papers. – Kharkiv:KNUCEA, 2013			

