

Prof. Vadim Fursov (Ukraine)

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 COST FP1402, NNC Member, MC Observer, WG2 Member

*Personal*

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: Habilitation (24.04.1996)

Organisation

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

Research projects

Recent research projects :

- work of GLT elements in conditions of complex stress (simultaneously action of tension and compression), 2006-2010, Fursov, Kovlev.
- 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

Publications

- 1.Fursov V, Standardization of timber constructions in building with accounting EC-5, Collected scientific papers of Moscow State Civil Engineering Institute, Materials of conference "Industrial and Civil Engineering"
- 2.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
- 3.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.
- 4.V.V. Fursov, A.M. Beidakov, M. Puriazdanhah. Comparative analysis of results theoretical and experimental full-scale investigations of GLT arch. (Electornic resource) Engineering Bulletin of Don. -2014, No. 2: <http://www.ivdon.ru/magazine/archive/n2y2014/2395>.
- 5.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
- 6.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.
- 7.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

