

Dr. Roman Shchupakivskyy (**Ukraine**)
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 COST FP1402, MC Observer



Personal

Years of experience in relevant field: 3
 Expertise: engineer systems based on structural timber; properties of structural wooden building products from thermally treated wood; improvement jointing and fastening techniques; destructive and non-destructive measuring techniques, life cycle assessment of CLT, etc.
 Degree: PhD (10.10.2013)

Organisation

Department of Sawmilling, Joinery and Wooden Building Products (<http://nltu.edu.ua/>)
 Focus: theoretical and practical research / innovation and education/training.
 Facilities:
 1. Workshop based on equipment of FELDER Group;
 2. Press for gluing of short blanks, drying chamber, testing machines, etc.
 3. Software for modeling, particularly: SolidWorks, AutoCad Inventor etc.

No. of staff	PhD students	MSc/year
5	2	3

Research projects

1. RERAM "Bridging Gaps in Research 2 Innovation in Resource Efficiency and Raw Materials", 01/06/2014 – 31/05/2016, Dr. Roman Shchupakivskyy, Prof. Orest Kiyko, et al. <http://www.reram.eu>.
2. COST Action 1407 "Understanding wood modification through an integrated scientific and environmental impact approach (ModWoodLife)", 10.03.2015- 09.03.2019, Dr. Roman Shchupakivskyy, Prof. Pavlo Bekhta, <http://costfp1407.iam.upr.si/en/>
3. Internal research project dedicated to investigation of dew point, and moisture content changes in the glued laminated beam, 2014-2017, PhD stud. A. Bezkorovainyy, Prof. V. Mayevskyy, Eng. Borysov, Dr. R. Shchupakivskyy, et al.
4. DAAD project "Unterstützung der Demokratie durch Förderung eines interdisziplinären Diskurses sowie Transparenz befördernder Formen der Zusammenarbeit", 01.01.2016-31.12.2016, Dr. Roman Shchupakivskyy, et al.

Publications

1. Shchupakivskyy R., Clauder L., Linke N., Pfriem A. Application of high-frequency densitometry to detect changes in early- and latewood density of oak (*Quercus robur* L.) due to thermal modification. *European Journal of Wood and Wood Products* (2014) 72:5 – 10. (DOI 10.1007/s00107-013-0744-x)
2. Roman Shchupakivskyy, Alexander Pfriem, Lothar Clauder. Statistical simulation of wood density changes due to thermal treatment. *Proceedings of the 7th European Conference on Wood Modification*. Lisbon, March 10-12, 2014.
3. Roman Shchupakivskyy, Uwe Kies, Orest Kiyko. Methodological principles of wood waste and energy management on certain woodworking enterprises in Ukraine. *Proceedings of the 1st International Scientific Conference- Wood Science Economy (WSE)*. Poznan, Poland, October 5-6, 2015. – P. 64-65.

