

Candidate supervisor's information summary form

maximum 2 pages – it should be a summary of most important achievements

Name and surname, degree, title: prof. dr Piotr Beer, PhD, DSc, Eng	
Academic discipline/disciplines	Forest sciences
Professional development (degrees and titles) in chronological order	<p>1991 - Master of Science in Mechanical Wood Technology. Master's thesis topic: Energy consumption of the sanding process of door leaves after the first painting. Faculty of Wood Technology, Warsaw University of Life Sciences (SGGW)</p> <p>1991-1992 - Postgraduate Studies in Pedagogical Development, Faculty of Economics and Agriculture, Warsaw University of Life Sciences (SGGW)</p> <p>1998 - Doctor of Forestry Sciences in the field of woodworking – a joint Polish-French doctorate, completed in the form of this co-tutelle entitled: Research on the influence of material modification of tool surfaces on the process of peripheral cutting of roundwood, Faculty of Wood Technology, Warsaw University of Life Sciences (SGGW) and Ecole Nationale Supérieure d'Arts et Métiers, CER de Cluny, France</p> <p>2002 - Habilitated Doctor of Forestry Sciences in the field of woodworking – Faculty of Wood Technology, Agricultural University of Warsaw August Cieszkowski in Poznań</p> <p>2009 - Academic title of professor of forestry sciences - President of the Republic of Poland</p>
Most important publications/ patents in the last 3 years (maximum 10)	<p>- Olenska Sylwia, Beer Piotr (2024): Quality evaluation of new types of layered composites for flooring materials. <i>Materials</i> 2024,17, 1892. https://doi.org/10.3390/ma17081892</p> <p>- Olenska Sylwia, Beer Piotr (2024): Quality Evaluation of New Types of Core Layers Based on Different Thicknesses of Veneers for Flooring Materials. <i>Materials</i> 2024, 17, 5881. https://doi.org/10.3390/ma17235881</p> <p>- Grotowska, M.; Olenska, S.; Gruszczynska, J.; Beer, P. Analysis of the Properties of Upcycled Wood Waste for Sustainable Furniture Production. <i>Sustainability</i> 2025, 17, 6368. https://doi.org/10.3390/su17146368</p> <p>- Grotowska M., Beer P. (2023): Smart design upcycling of post-production display panels into new creative materials to support the sustainable development of a circular economy in the furniture industry. <i>Ann. WULS-SGGW, Forestry and Wood Technology</i> 122, 2023:36-46, DOI: 10.5604/01.3001.0053.8667</p> <p>- Oleńska Sylwia, Beer Piotr, Biernacka Justyna, Oleński Krzysztof (2025): Testing the adhesion of finishing coatings on furniture fronts with a grooved surface. <i>Ann. WULS - SGGW, For. and Wood Technol.</i> 132, 2025: 72-79</p>
Experience in work with doctoral students (defended doctoral dissertations, initiated doctoral procedures) in chronological order	<p>1. Przemysław Gogolewski, Nanocrystalline ceramic cutting tool for machining wood-based materials., Faculty of Mechanical Engineering, Lodz University of Technology in Lodz, 12.12.2005 r.</p> <p>2. Grzegorz Kowaluk, Cutting work in terms of the quality of processing of selected laminated particleboards. Faculty of Wood Technology, Agricultural University of A. Cieszkowski in Poznań, 13.01.2006 r.</p>

	<p>3. Bartosz Pałubicki, Research on the quality of machining furniture elements from laminated particleboards. Faculty of Wood Technology, Agricultural University of A. Cieszkowski in Poznań, 13.10.2006 r.</p> <p>4. Anna Różańska, Reconstruction of wooden floors in a 19th-century manor house in Kolbuszowa, Faculty of Wood Technology, Warsaw University of Life Sciences, 24.09.2013 r.</p> <p>5. Sylwia Oleńska, Asymmetric veneering of furniture elements., Faculty of Wood Technology, Warsaw University of Life Sciences, 29.09.2015 r.</p> <p>6. Izabela Burawska, Local reinforcement of pine structural timber (Pinus sylvestris L.), Faculty of Wood Technology, Warsaw University of Life Sciences, 08.12.2015 r.</p>
Achievements in the area of projects/grants (in the last 5 years)	<p>Patent application – P.420312 dated January 26, 2017, for the Warsaw University of Life Sciences, authors Marcin Zbieć and Piotr Beer: Method for chipless flat cutting of wood material</p> <p>2013-2015 - Project Manager, International Co-financed Project: Development of qualifications of European furniture experts in the design and production of AAL, an integrated furniture system for the care and support of the elderly and disabled. Ministry of National Heritage. No. 2013-3145/001-001</p> <p>2014 - Project Manager, SPUB: TIRATEST 2300 testing machine. Maintenance of a special testing device. Ministry of National Heritage Decision No. 86/E-385/SPUB/2014/1</p> <p>2014 - Project Manager, SPUB: Device for measuring the deformation of flat elements. Maintenance of a special testing device. Ministry of National Science and Higher Education Decision No. 86/E-385/SPUB/2014/2</p> <p>2015-2018 - Project Manager of the joint NCN-NCBR research project (TANGO1): Implementation of an innovative technology for eco-glueing asymmetrically veneered composite materials used in furniture (Eko-Mebel). No. TANGO1/266389/NCBR/2015</p> <p>2015-2018 - Project Manager of the Warsaw University of Life Sciences (BIOSTRATEG2): Improving the efficiency of wood raw material use in industrial production processes (EFFRaWood). No. BIOSTRATEG2/298950/1/NCBR/2016</p>
Subject area of the research project for which the candidate student is being recruited	Furniture production issues: analysis of material flow, efficiency and quality, and production defects, as well as the issue of invasive plants in the context of lignocellulosic material production
Basic expectations for a PhD candidate	Independence, ability to approach issues scientifically, willingness to acquire knowledge, ability to think critically
<u>Contact details:</u> <u>Institute</u> <u>E-mail address</u> <u>Telephone number</u>	<p>Institute of Wood Sciences and Furniture</p> <p>piotr_beer@sggw.edu.pl</p> <p>+48 22 59 38 526, +48 501 365 676</p>