



Prof. Jarosław Górski

CONTACT

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ACADEMIC QUALIFICATION (EDUCATION AND ACADEMIC DEGREES):

Occupational titles and science degrees	Date (year)	Institution
M.Sc. mechanical engineering in field of machine tools and technological devices	1987	Faculty of Production Engineering Warsaw University of Technology (WUT)
M.Sc. mechanical engineering in field of automation and metrology	1988	Faculty of Mechatronics, Warsaw University of Technology (WUT)
Ph.D. Forest Sciences in field of Wood Technology	1996	Faculty of Wood Technology, Warsaw University of Life Sciences – SGGW (WULS-SGGW)
D. Sc. Forest Sciences in field of Wood Technology	2001	Faculty of Wood Technology, Poznan University of Life Sciences
M.Sc. Psychological Sciences	2001	Faculty of Psychology University of Warsaw
Titular Professor (an academic title formally granted by the President of Poland) Forest Sciences in field of Wood Technology	2009	Faculty of Wood Technology, Warsaw University of Life Sciences – SGGW (WULS-SGGW)

BRIEF CAREER HISTORY (PROFESSIONAL POSITIONS)

1988 - 1991 Assistant, Research-Implementation Center “MERCAMP”
1991 - 1996 Teaching Assistant, Faculty of Wood Technology, WULS-SGGW
1996 - 2003 Assistant Professor, Faculty of Wood Technology, WULS-SGGW
2003 - 2009 Associate Professor, Faculty of Wood Technology, WULS-SGGW
2009 - present Professor, Faculty of Wood Technology, WULS-SGGW

Moreover (among others):

2001 - 2004 Deputy Dean for Research and Development, Faculty of Wood Technology, WULS-SGGW
2004 - 2016 Head of Doctoral Studies, Faculty of Wood Technology, WULS-SGGW
2008 - 2019 Head of Machine-Tool Division, Faculty of Wood Technology, WULS-SGGW

DIDACTIC

The lectures:

- Technical Metrology and Measuring Systems
- Wood Machining and Cutting Tools
- Automatics
- Technological Processes Planning in Furniture Manufacturing
- Jigs Design in Furniture Manufacturing

- Selected problems of work psychology in modern manufacturing engineering
- Selected problems of organizational psychology in modern manufacturing engineering

Handbooks, course books, monographs:

- Proces cięcia drewna elektryczną pilarką łańcuchową. Jarosław Górski, WULS - SGGW Press, 2001
- Projektowanie procesów technologicznych obróbki skrawaniem drewna i tworzyw drewnopochodnych - zagadnienia ogólne. Jarosław Górski, WULS - SGGW Press, 2005
- Wybrane zagadnienia rozwoju konstrukcyjnego maszyn i urządzeń stosowanych w leśnictwie oraz przemyśle drzewnym. Jarosław Górski, WULS - SGGW Press, 2005
- Wood machining and processing - product quality and waste characteristic / ed. by Jarosław Górski and Marcin Zbieć. - Warsaw : WULS - SGGW Press, 2009.
- Wood machining and processing - product and tooling quality development /ed. by Jarosław Górski and Marcin Zbieć. - Warsaw : WULS - SGGW Press, 2010

SCIENCE

Science research:

- tools and machine tools for woodworking;
- machinability of wood and wood based materials;
- tool condition monitoring (on-line);
- use of artificial intelligence and machine learning to solve wood machining problems
- analysis of woodworking development in historical approach.

Research projects:

- Research project of State Committee for Scientific Research (KBN) No3 P06L 02524: Basics of automatic diagnostics tools and machining process for wood and wood composites . Head, 2003-2006
- Research project of the Polish Ministry of Science and Higher Education No N N309 007537: Machinability of wood-based materials. Head, 2009-2013

Official Ph.D. promotor (Ph.D. completed):

- Piotr Mańkowski (2004, WULS-SGGW)
- Jacek Wilkowski (2007, WULS-SGGW)
- Paweł Czarniak (2010, WULS-SGGW)
- Michał Kosakowski (2010, WULS-SGGW)
- Katarzyna Laszewicz-Smietańska(2011, WULS-SGGW)
- Joanna Zielińska-Szwajka (2013, WULS-SGGW)
- Piotr Podziewski (2015, WULS-SGGW)
- Karol Szymanowski (2015, WULS-SGGW)
- Mariusz Dąbrowski (2015, CIOP-PIB)
- Albina Jegorowa (2015, WULS-SGGW)

Unofficial Ph.D. promotor (Ph.D. in progress):

- Kamil Parada (WULS-SGGW)

RESEARCH OFFER AND EXPERT ASSESSMENTS

- solving industrial problems related to the wood machining processes;
- assessment and comparison analysis of modern tools or machine tools for wood industry;
- analyzes of projects of innovations related to the wood machining

SELECTED SCIENCE PUBLICATIONS FROM LAST YEARS:

ORCID iD

<https://orcid.org/0000-0001-5615-0735>

- Mariusz Dąbrowski, Jarosław Górski, 2019: "Mobile shields for standard woodworking machinery as an element of a protection and accident prevention system - the idea and testing", BioResources Vol. 14, No 2, 3459-3470

- Paweł Czarniak, Karol Szymanowski, Jacek Wilkowski, Jarosław Górski, Fabrice Dagrain, 2019: "Machinability characterization of solid wood with scratching and drilling techniques", *Wood Research* 2019, Vol. 64, nr 4, s. 719-730
- Mariusz Dąbrowski, Jarosław Górski, 2019: "Influence of cutting conditions on kickback speed in milling wood materials", *Wood Research*, Vol. 64, No 2, 349-359
- Mariusz Dąbrowski, Jarosław Górski, 2019: "Influence of the milling tool setup on occupational safety in furniture making", *International Journal of Occupational Safety and Ergonomics*, Vol. 25, No 2, 278-286
- Jarosław Górski, Karol Szymanowski, Piotr Podziewski, Katarzyna Śmietańska, Paweł Czarniak, Mariusz Cyrankowski, 2019: "Use of cutting force and vibro-acoustic signals in tool wear monitoring based on multiple regression technique for compreg milling", *BioResources*, Vol. 14, No 2, 3379-3388
- Albina Jegorowa, Jarosław Górski, Jarosław Kurek, Michał Kruk, 2019: "Initial study on the use of support vector machine (SVM) in tool condition monitoring in chipboard drilling" *European Journal of Wood and Wood Products*, Vol 77, 957-959
- Piotr Podziewski, Karol Szymanowski, Jarosław Górski, Paweł Czarniak, 2018: "Relative machinability of wood-based boards in the case of drilling - experimental study", *BioResources*, Vol. 13, No 1, 1761-1772
- F. Perisse, S. Menecier, E. Duffour, D. Vacher, G. Monier, J.-F. Destrebecq, P. Czarniak, J. Górski, J. Wilkowski, 2017: "MDF treatment with a Dielectric Barrier Discharge (DBD) torch", *International Journal of Adhesion and Adhesives*, Vol. 79, 18-22
- Tomasz Rogoziński, Jacek Wilkowski, Jarosław Górski, Karol Szymanowski, Piotr Podziewski, Paweł Czarniak, 2017: "Fine particles content in dust created in CNC milling of selected wood composites", *Wood and Fiber Science*, Vol. 49, No 4, 461-469
- J. Kurek, M. Kruk, S. Osowski, P. Hoser, G. Wieczorek, A. Jegorowa, J. Górski, J. Wilkowski, K. Śmietańska, J. Kossakowska, 2016: "Developing automatic recognition system of drill wear in standard laminated chipboard drilling process", *Bulletin of the Polish Academy of Sciences. Technical Sciences*, Vol. 64, No 3, 633-640
- Tomasz Rogoziński, Jacek Wilkowski, Jarosław Górski, Paweł Czarniak, Piotr Podziewski, Karol Szymanowski, 2015: "Dust creation in CNC drilling of wood composites", *BioResources*, Vol. 10, No 2, 3657-3665

Actualisation - January 2020