

Candidate supervisor's information summary form

Name and surname, degree, title: Piotr F. Borowski, assoc. Professor, Phd.	
Discipline/ disciplines of science	Mechanical engineering Management and quality studies
Professional development (degrees and titles) in chronological order	PhD from SGH (Warsaw School of Economics) 2005 Habilitation, Częstochowa University of Technology 2022
Most important publications/patens over the last 3 years (maximum 10)	<ol style="list-style-type: none"> 1. Borowski, P., Production Processes Related to Conventional and Renewable Energy in Enterprises and in the Circular Economy. <i>Processes</i>, 2022, 10(3), 521. 2. Borowski P., Innovative Processes in Managing an Enterprise from the Energy and Food Sector in the Era of Industry 4.0. <i>Processes</i>, 2021; 9(2):381 3. Borowski P., Digitization, Digital Twins, Blockchain, and Industry 4.0 as Elements of Management Process in Enterprises in the Energy Sector. <i>Energies</i>. 2021; 14(7):1885 4. Borowski, P., New technologies and innovative solutions in the development strategies of energy enterprises. <i>HighTech and Innovation Journal</i>, 2020, 1(2), 39-58. 5. Borowski P., Zonal and Nodal Models of Energy Market in European Union, <i>Energies</i>, 2020, 13(16), 4182
Experience in work with doctoral students (defended doctoral dissertations, doctoral programmes opened) in chronological order	Auxiliary supervisor - defended doctorate 2015 (WIP, SGGW). Topic: Method of assessing technical infrastructure for the care of fruit trees (in Polish <i>Metoda oceny infrastruktury technicznej do pielęgnacji drzew owocowych</i>).
Project/grants achievements (from the last 10 years)	<p>The main contractor under the grant of the Ministry of Science and Higher Education (Ministry of Science and Higher Education) number NN 112 101437 - "Transport biofuels in Poland. Current status and prospects" - grant completed and settled.</p> <p>The ain contractor in the National Science Center (NCN) grant number UMO-2011/01 / B / HS4 / 04988 - "The impact of CO2 emission reduction on the functioning of the transport biofuel sectors in Poland" - grant completed and settled.</p> <p>Contractor under the grant of the National Center for Research and Development (NCBiR) number PBS1 / A8 / 16 // 2013 -</p>

	"Woodtech" - grant completed and settled.
Topic – research problem – for which the candidate supervisor seeks a doctoral student	<p>Methods of researching technological processes in production enterprises.</p> <p>Influence of the type of construction of machines and devices on the selection of recycling processes.</p> <p>Research on the use of new structures, devices, and machines in innovative production companies.</p>
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