

Summary Specification of Scientific Accomplishments of a Thesis Supervisor Candidate

maximum 2 pages - it should be a synthesis of the most important elements of accomplishments

Name and surname, degree, scientific title: Krzysztof Tomczuk, Assistant Professor	
Scientific discipline/s	<ul style="list-style-type: none"> – Automatics, Electronics i Electrotechnics – Mechanical Engineering
Professional development (scientific degrees and titles) chronologically	<p>04.2020 – Assistant Professor</p> <p>07.2008 – Doctor of Philosophy (PhD)</p> <p>08.2001 – Master of Science (MSc)</p>
Most important publications/patents from the last 3 years (max. 10)	<p>- K. Tomczuk, A. Sikora: „Impact of the LED-based light source working regime on the degradation of polymethyl methacrylate”, Lighting Research and Technology, 2020.</p> <p>https://journals.sagepub.com/doi/10.1177/1477153519836131</p>
Experience in work with PhD students (defended dissertations, initiated dissertation procedures), chronologically	<p>My previous job did not require cooperation with PhD students and writing scientific articles.</p>
Project/grant accomplishments (from the last 10 years)	<ul style="list-style-type: none"> - Project manager "Energy storage - Flux system" 2021-2022. Financing institution NCBiR. - Task manager in the project "ELMAR - Supporting South Baltic SMEs is an entry into online supply chains and markets for the sale of electric boats and ships". 2021-2022. Institution financing the Interreg South Baltic programme. - Contractor in the "Eco-mobility" project. 2010-2013. Project under the European Regional Development Fund. Operational Program Innovative Economy. - Contractor in the project "e-VAN FCEV - a universal delivery vehicle with an electric drive, category N1 with a hydrogen fuel cell and a modular multifunctional cargo space development". 2017-2021. Financing institution NCBiR. - Contractor within the project "Mobile power supply system from port quays to supply ecology and economy of sea transport". 2013-2016. Financing institution: NCBiR and NFOŚiGW. Gekon II program. - Contractor in the project "Superconducting energy storage with power electronic interface for use in distribution networks". 2015-2018. Financing institution: NCBiR and NFOŚiGW. PBS III programme.

	- Key evaluation expert. Project entitled: "Innovation Accelerator", task: "HID ballasts". 02/2013 - 10/2013. Financing institution European Social Fund. Human Capital Program.
Theme scope - research problem - for the solving of which the PhD student is sought	- Development of a kinetic energy storage with low spin losses. - Development of an innovative mechanical structure of a hydrogen fuel cell for use in electricity storage.
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