Candidate supervisor's information summary form
maximum 2 pages – it should be a summary of most important achievements

Name and surname, degree, title: ***Bartosz Świderski***, D.Sc., Prof. SGGW (Warsaw University of Life Sciences)	
Academic discipline/disciplines	Information and communication technology
Professional development (degrees and titles) in chronological order	**M.Sc**. – computer science and econometrics (University of Lodz) - **2002** **Ph.D**. – signal processing (Warsaw University of Technology) - **2007** **D.Sc**. - biocybernetics and biomedical engineering, specialization: artificial intelligence (Warsaw University of Technology) - **2018**
Most important publications/ patents in the last 3 years (maximum 10)	1. M.Kołodziej, M.Jurczak, A.Majkowski, A.Rysz, **B.Świderski**, „A hybrid CNN-LSTM approach for muscle artifact removal from EEG using additional EMG signal recording", Applied Sciences 15 (9), 4953, 2025 2. C.Chudobiński, **B.Świderski**, I.Antoniuk, J.Kurek, "Enhancements in Radiological Detection of Metastatic Lymph Nodes Utilizing AI-Assisted Ultrasound Imaging Data and the Lymph Node Reporting and Data System Scale",Cancers 16 (8), 1564, 2024 3. **B. Swiderski**, S. Osowski, J. Kurek, C. Chudobinski, "Random Ensemble of Extended CNN Structures for Medical Image Recognition", International Work-Conference on Artificial Neural Networks, Springer, 483-493, 2023 4. F. Gil, S. Osowski, **B. Świderski**, M. Słowińska , "Ensemble of classifiers based on deep learning for medical image recognition" , Metrology and Measurement Systems, Vol. 30, ISSN 0860-8229, 2023
Experience in work with doctoral students (defended doctoral dissertations, initiated doctoral procedures) in chronological order	Assistant supervisor: M.Sc. Grzegorz Wieczorek, „Computer analysis of microscopic images supporting the diagnosis of ductal carcinoma breast cancer", **2017** **Reviewer, Ph.D. theses:** **1.** *"Three-dimensional reconstruction of the intestinal glands based on the sequence of microscopic images"*, R. I. Roszczyk, Warsaw University of Technology, Information and communication technology, **2021**

	2., *"Application of artificial intelligence algorithms for analysis of pure tone audiometry"*, M. Kassjański, Gdańsk University of Technology, Information and communication technology **, 2026**
Achievements in the area of projects/grants (in the last 5 years)	
Subject area of the research project for which the candidate student is being recruited	Development of artificial intelligence (especially deep learning methods). Application of artificial intelligence methods in biomedicine. Random Network, Siamese Network, Generative Adversarial Network, UNET3D, Pose Estimation, Alpha Fold, Visual LLM
Contact details: Institute E-mail address Telephone number	Faculty of Applied Informatics and Mathematics / Institute of Information Technology, Department of Artificial Intelligence e-mail:bartosz_swiderski@sggw.edu.pl, http://www.wzim.sggw.pl/bartosz_swiderski/ phone: 22 59 37 241