

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

Name and surname, degree, title: PhD, DSc, Konrad Furmańczyk, associate professor	
Academic discipline/disciplines	Information and communication technology
Professional development (degrees and titles) in chronological order	1996 – MSc.- Faculty of Mathematics, Informatics and Mechanics, University of Warsaw 2004 – PhD in mathematical sciences, Faculty of Mathematics, Informatics and Mechanics, University of Warsaw 2017 – DSc. in mathematical sciences. Faculty of Mathematics, Computer Science and Econometrics University of Zielona Góra
Most important publications/ patents in the last 3 years (maximum 10)	1. Furmańczyk K, Paczutkowski K, Dudziński M Dziwaw-Dawidczyk D, Classification methods based on fitting logistic regression to positive and unlabeled data W: Computational Science – ICCS 2022, 22nd International Conference, London, UK, June 21–23, 2022, Proceedings, Part I / Groen Derek [i in.] (red.), Lecture Notes In Computer Science, 2022, vol. 13350, nr Part I, Cham, Springer, s.31-45, ISBN 978-3-031-08750-9. 2. Furmańczyk K, Paczutkowski K, Dudziński M Dziwaw-Dawidczyk D, Classification and feature selection methods based on fitting logistic regression to PU data, Journal of Computational Science, 2023, vol. 72, s.1-11, Numer artykułu:102095. 3. Furmańczyk , Mielniczuk J, Rejchel W, Teisseyre, P, Double Logistic Regression Approach to Biased Positive-Unlabeled Data, W: ECAI 2023 / Gal Kobi [i in.] (red.), 2023, Amsterdam, IOS Press BV, s.764-771, ISBN 978-1-64368-436-9. DOI:10.3233/faia230342 4. P Teisseyre, K Furmańczyk, J Mielniczuk. Verifying the selected completely at random assumption in positive-unlabeled learning. ECAI 2024, 1672-1679 5. K Furmańczyk, W Niemiro, M Chrzanowska, M Zalewska. Network Model with Application to Allergy Diseases. International Conference on Computational Science, 105-112

Experience in work with doctoral students (defended doctoral dissertations, initiated doctoral procedures) in chronological order	2020 auxiliary supervisor in PhD Sylwia Stachowiak, M.A IIT SGGW 2020 supervised in PhD Kacper Paczutkowski, M.A. (SGGW Doctoral School) 2021 supervised in PhD Robert Wojciechowski, M.A. (SGGW Doctoral School)
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	The scope of my research works includes statistical data analysis (biomedical and epidemiological data), methods of mathematical statistics (testing multiple hypotheses, selection of variables in statistical models, classification in a misspecified statistical model, modeling data dependence by domes, statistical graphical models, time series). Statistical models for high-dimensional data, medical data analysis. Data mining methods in data analysis applications. Monte Carlo methods in data analysis.
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