



ACADEMIC TEACHER PROFESSIONAL EXPERIENCE

DOCTORAL SCHOOL OF WROCLAW UNIVERSITY OF SCIENCE AND TECHNOLOGY

1. Basic information

Name, surname:	Paweł Zyblewski
Grade / Title:	PhD
Scientific discipline	informatyka techniczna i telekomunikacja / information and communication technology
Faculty:	W4 Wydział Informatyki i Telekomunikacji / Faculty of Information and Communication Technology
Email address:	pawel.zyblewski@pwr.edu.pl
Link to home page and/or research profiles (Google Scholar, ResearchGate, etc.)	https://www.kssk.pwr.edu.pl/users/zyblewski https://scholar.google.com/citations?user=Dd6q7lkAAAJ&hl=en

2. Publication record

Up to 10 most important papers published over the period of previous 10 years.

No.	Description (authors, publication title, journal / conference, DOI)	Publication year
1.	Zyblewski, P. (2024). Employing Two-Dimensional Word Embedding for Difficult Tabular Data Stream Classification. European Conference on Machine Learning and Data Mining, ECML PKDD 2024	2024
2.	Woźniak, M., Zyblewski, P., & Ksieniewicz, P. (2023). Active weighted aging ensemble for drifted data stream classification. <i>Information Sciences</i> , 630, 286-304.	2023
3.	Ksieniewicz, P., Zyblewski, P., Borek-Marciniak, W., Kozik, R., Choraś, M., & Woźniak, M. (2023). Alphabet flattening as a variant of n-gram feature extraction method in ensemble classification of fake news. <i>Engineering Applications of Artificial Intelligence</i> , 120, 105882.	2023
4.	Komorniczak, J., Zyblewski, P., & Ksieniewicz, P. (2022). Statistical drift detection ensemble for batch processing of data streams. <i>Knowledge-Based Systems</i> , 252, 109380.	2022
5.	Ksieniewicz, P., & Zyblewski, P. (2022). Stream-learn—Open-source Python library for difficult data stream batch analysis. <i>Neurocomputing</i> , 478, 11-21.	2021
6.	Zyblewski, P., Sabourin, R., & Woźniak, M. (2021). Preprocessed dynamic classifier ensemble selection for highly imbalanced drifted data streams. <i>Information Fusion</i> , 66, 138-154.	2021
7.		2020



	Ksieniewicz, P., Zyblewski, P., Choraś, M., Kozik, R., Giełczyk, A., & Woźniak, M. (2020, July). Fake news detection from data streams. In <i>2020 International Joint Conference on Neural Networks (IJCNN)</i> (pp. 1-8). IEEE.	
8.	Zyblewski, P., & Woźniak, M. (2020). Novel clustering-based pruning algorithms. <i>Pattern Analysis and Applications</i> , 23(3), 1049-1058.	2020
9.	Zyblewski, P., Sabourin, R., & Woźniak, M. (2019, September). Data preprocessing and dynamic ensemble selection for imbalanced data stream classification. In <i>Joint European Conference on Machine Learning and Knowledge Discovery in Databases</i> (pp. 367-379). Cham: Springer International Publishing.	2019
10.	Zyblewski, P., Ksieniewicz, P., & Woźniak, M. (2019, May). Classifier selection for highly imbalanced data streams with minority driven ensemble. In <i>International conference on artificial intelligence and soft computing</i> (pp. 626-635). Cham: Springer International Publishing.	2019

3. Projects and grants

List of the most important 5 projects/grants with basic description including: title, source(s) of funding, name of the call, role in the project (e.g., principal investigator).

1.	Role in the project (e.g., principal investigator, work package leader, etc.)	Co-Investigator
	Project title	Disinformation Detection System based on Artificial Intelligence Methods (System Wykrywania Dezinformacji Metodami Sztucznej Inteligencji SWAROG)
	Sources of funding	Narodowe Centrum Badań I Rozwoju (NCBiR)
	Name of the call	INFOSTRATEG-I/0019/2021
	Implementation period	02.12.2021–2025
2.	Role in the project (e.g., principal investigator, work package leader, etc.)	PhD student
	Project title	Imbalanced data stream classification algorithms
	Sources of funding	Narodowe Centrum Nauki (NCN)
	Name of the call	OPUS 14, 2017/27/B/ST6/01325
	Implementation period	04.09.2018–30.09.2021
3.	Role in the project (e.g., principal investigator, work package leader, etc.)	Co-Investigator
	Project title	Integration of base classifiers in the geometric space
	Sources of funding	NCN
	Name of the call	OPUS 13, 2017/25/B/ST6/01750
	Implementation period	2018-01-25— 2021-01-24



4.	Role in the project (e.g., principal investigator, work package leader, etc.)	
	Project title	
	Sources of funding	
	Name of the call	
	Implementation period	
5.	Role in the project (e.g., principal investigator, work package leader, etc.)	
	Project title	
	Sources of funding	
	Name of the call	
	Implementation period	

4. International experience

Brief description of international cooperation and experience (e.g., research stays, cooperation with foreign entities, coordination or participation in international projects or programmes, keynote speeches and presentations delivered at renowned international conferences, visiting professor stays, invited lectures).

No.	Description	Year(s)
1.	Invited lecture "Classifier selection for imbalanced data stream classification" during EurAI Session – BNAIC/BeNeLearn 2023, AI & ML conference for Belgium, Netherlands & Luxembourg, Delft, Netherlands	2023
2.	Research internship – Prof. Leandro L. Minku, Ph.D. – School of Computer Science, University of Birmingham, Birmingham, UK	2022
3.	Research internship – Prof. Robert Sabourin, Ph.D. – Département de génie des systèmes, École de technologie supérieure, Montréal, Québec, Canada	2019

5. Experience in teaching doctoral students

Brief description of experience in teaching doctoral students (e.g., courses in doctoral schools and PhD studies, summer/winter schools for doctoral students, tutorials, trainings, etc.).

No.	Description	Year(s)
1.	Course in doctoral school – Interdisciplinary applications of artificial intelligence not requiring a computer science background	2024

6. List of supervised doctoral students

List of all supervised doctoral students that defended the PhD including: name of the student, dissertation title, year of awarding PhD.

No.	Name, surname	Dissertation title	Year of awarding PhD
1.	—	—	—

7. Prizes and awards

The most important national and international prizes and awards related to research, development and teaching activities.



No.	Description	Year
1.	Scholarship of the Minister of Education and Science for outstanding young scientists	2022
2.	Winner of the Polish Artificial Intelligence Society (PSSI) Best Ph.D. Dissertation in Artificial Intelligence Contest	2021
3.	Co-author of an article awarded with the Best Paper Award at the 20th International Conference on Artificial Intelligence and Soft Computing	2021

8. Other significant achievements

Information on other significant achievements related to research, development and teaching activities.

Teaching:

- From 2023: Co-Supervisor of three PhD students (one Doctoral School PhD student in Information and Communication Technology, one Doctoral School PhD student in Architecture and Urban Planning, and one Industrial Doctoral Program PhD student in Mechanical Engineering),
- Supervision of over eighteen diploma theses (including both BSc and MSc),
- Preparing course descriptions related to machine learning and neural networks (among others in the AI Tech project).
- Involvement in preparing short teaching movies for the IT Mastery Center (Centrum Mistrzostwa Informatycznego CMI).

Organization of conferences and workshops:

- Organization of a special session Classifier Learning from Difficult Data at the 27th European Conference on Artificial Intelligence ECAI 2024, October 19, 2024, Santiago De Compostela, Spain.
- Publicity Chair of the 26th European Conference on Artificial Intelligence ECAI 2023, from September 30 to October 5, 2023, Kraków, Poland,
- Publicity Chair of the 3rd Polish Conference on Artificial Intelligence PP-RAI 2019, April 25-27, 2022, Gdynia, Poland.
- Organization of a special session Classifier Learning from Difficult Data at the International Conference on Computational Science ICCS 2021, June 16-18, 2021, Kraków, Poland.
- Organization of the special session Classifier Learning from Difficult Data at the International Conference on Computational Science ICCS 2020, June 3-5, 2020, Amsterdam, the Netherlands.
- Member of the organizing committee of The 11th International Conference on Computer Recognition Systems CORES 2019, Wrocław, Poland.
- Member of the organizing committee of the 2nd Polish Conference on Artificial Intelligence PP-RAI 2019, October 16-18, 2019, Wrocław, Poland.

Participation in conference program committees:

- 27th European Conference on Artificial Intelligence ECAI 2024,
- 26th European Conference on Artificial Intelligence ECAI 2023
- International Joint Conferences HAIS-SOCO-CISIS-ICEUTE & STARTUP OLÉ, CISIS 2023,
- IEEE International Conference on Omni-layer Intelligent Systems IEEE COINS 2023,
- IEEE International Conference on Omni-layer Intelligent Systems IEEE COINS 2022.

Other information:

- 2024 – 2026: Member of Academia Iuvenum, PWR.
- From 2023: Member of the Polish Artificial Intelligence Society (PSSI).



- Reviewer in the XL National Competition of the Polish Information Processing Society for the best master's thesis in computer science.

Additionally, author of many reviews for scientific conferences and journals, including: Information Fusion, Knowledge-Based Systems, Applied Soft Computing, Machine Learning, Frontiers in Oncology, IEEE Access, Journal of Computational Science, and European Conference on Artificial Intelligence (ECAI) conference.