Wrocław University of Science and Technology
Doctoral School

ACADEMIC TEACHER PROFESSIONAL EXPERIENCE

DOCTORAL SCHOOL OF WROCŁAW UNIVERSITY OF SCIENCE AND TECHNOLOGY

1. Basic information

Name, surname:	Paweł Ksieniewicz
Grade / Title:	PhD, DSc
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.ksieniewicz@pwr.edu.pl
Link to home page and/or research profiles (Google Scholar, ResearchGate, etc.)	https://scholar.google.com/citations?user=YSM30D8AAAAJ https://www.researchgate.net/profile/Pawel-Ksieniewicz

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.	Choraś, M., Demestichas, K., Giełczyk, A., Herrero, Á., Ksieniewicz, P., Remoundou, K., Urda, D., & Woźniak, M. (2021). Advanced Machine Learning techniques for fake news (online disinformation) detection: A systematic mapping study. In Applied Soft Computing (Vol. 101, p. 107050). Elsevier BV. https://doi.org/10.1016/j.asoc.2020.107050	2021
2.	Stapor, K., Ksieniewicz, P., García, S., & Woźniak, M. (2021). How to design the fair experimental classifier evaluation. In Applied Soft Computing (Vol. 104, p. 107219). Elsevier BV. https://doi.org/10.1016/j.asoc.2021.107219	2021
3.	Ksieniewicz, P., & Zyblewski, P. (2022). Stream-learn — open-source Python library for difficult data stream batch analysis. In Neurocomputing (Vol. 478, pp. 11–21). Elsevier BV. https://doi.org/10.1016/j.neucom.2021.10.120	2022
4.	Ksieniewicz, P., Woźniak, M., Cyganek, B., Kasprzak, A., & Walkowiak, K. (2019). Data stream classification using active learned neural networks. In Neurocomputing (Vol. 353, pp. 74–82). Elsevier BV. https://doi.org/10.1016/j.neucom.2018.05.130	2019
5.	Zyblewski, P., Ksieniewicz, P., & Woźniak, M. (2019). Classifier Selection for Highly Imbalanced Data Streams with Minority Driven Ensemble. In Lecture Notes in Computer Science (pp. 626–635). Springer International Publishing. https://doi.org/10.1007/978-3-030-20912-4_57	2019
6.	Wegier, W., & Ksieniewicz, P. (2020). Application of Imbalanced Data Classification Quality Metrics as Weighting Methods of the Ensemble Data Stream Classification Algorithms. In Entropy (Vol. 22, Issue 8, p. 849). MDPI AG. https://doi.org/10.3390/e22080849	2020
7.	Komorniczak, J., Zyblewski, P., & Ksieniewicz, P. (2022). Statistical Drift Detection Ensemble for batch processing of data streams. In Knowledge-Based Systems (Vol. 252, p. 109380). Elsevier BV. https://doi.org/10.1016/j.knosys.2022.109380	2022

8.	Komorniczak, J., Zyblewski, P., & Ksieniewicz, P. (2021). Prior Probability Estimation in Dynamically Imbalanced Data Streams. In 2021 International Joint Conference on Neural Networks (IJCNN). 2021 International Joint Conference on Neural Networks (IJCNN). IEEE. https://doi.org/10.1109/ijcnn52387.2021.9533795	2021
9.	Sułot, D., Alonso-Caneiro, D., Ksieniewicz, P., Krzyzanowska-Berkowska, P., & Iskander, D. R. (2021). Glaucoma classification based on scanning laser ophthalmoscopic images using a deep learning ensemble method. In D. G. Vavvas (Ed.), PLOS ONE (Vol. 16, Issue 6, p. e0252339). Public Library of Science (PLoS). https://doi.org/10.1371/journal.pone.0252339	2021
10.	Goścień, R., & Ksieniewicz, P. (2022). Efficient dynamic routing in Spectrally-Spatially Flexible Optical Networks based on traffic categorization and supervised learning methods. In Optical Switching and Networking (Vol. 43, p. 100650). Elsevier BV. https://doi.org/10.1016/j.osn.2021.100650	2022

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.)	PI
	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 – 01.05.2025
2.	Role in the project (e.g., principal investigator, work package leader, etc.)	Co-investigator
	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	Narodowe Centrum Nauki (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.)	Co-investigator
	Project title	Classification methods of imbalance data for multi-class classsification task
	Sources of funding	Narodowe Centrum Nauki (NCN)
	Name of the call	OPUS 10, 2015/19/B/ST6/01597

	Implementation period	2016-07-22 – 2020-01-21
5.	Role in the project (e.g., principal investigator, work package leader, etc.)	Co-investigator
	Project title	Optimization of cognitive optical networks
	Sources of funding	Narodowe Centrum Nauki (NCN)
	Name of the call	OPUS 14, 2017/27/B/ST7/00888
	Implementation period	2018-09-03 – 2022-09-02

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.	Lecture as part of the seminar *"Machine Learning to Combat Fake News and Media Manipulation"* organized by Elsevier as part of the webinar series (20/04/2022).	2022
2	Lecture "Research practices in data stream analysis and imbalanced data classification." in Amity School of Engineering and Technology, Noida, India.	2021
3.	Keynote during the CLDD special session at the International Conference on Computational Science titled *"Chosen Challenges of Imbalanced Data Stream Classification"*	2021
4.	Two research internships – Prof. Manuel Graña, UPV, San Sebastian, Spain	2016, 2019
5.	Research internship – Bartosz Krawczyk, VSU, Richmond, USA	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.	—	—

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.	The main prize in the competition of the Polish Agency for Enterprise Development for entrepreneurs operating on the market for no longer than 3 years.	2022

8. Other significant achievements

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

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