



ACADEMIC TEACHER PROFESSIONAL EXPERIENCE

DOCTORAL SCHOOL OF WROCLAW UNIVERSITY OF SCIENCE AND TECHNOLOGY

1. Basic information

Name, surname:	Olgierd Unold
Grade / Title:	Professor
Scientific discipline	informatyka techniczna i telekomunikacja / information and communication technology
Faculty:	W4 Wydział Informatyki i Telekomunikacji / Faculty of Information and Communication Technology
Email address:	olgierd.unold@pwr.edu.pl
Link to home page and/or research profiles (Google Scholar, ResearchGate, etc.)	http://olgierd.unold.staff.iar.pwr.wroc.pl/

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.	Wojciech Dobrowolski, Mikołaj Libura, Maciej Nikodem, Olgierd Unold. Unsupervised log sequence segmentation. IEEE Access. 2024, vol. 12, s. 79003-79013.	2024
2.	Łukasz Śmierzchała, Norbert Kozłowski, Olgierd Unold. Anticipatory classifier system with episode-based experience replay. IEEE Access. 2023, vol. 11, s. 41190-41204.	2023
3.	Olgierd Unold, Norbert Kozłowski, Łukasz Śmierzchała Preliminary tests of an anticipatory classifier system with experience replay. W: GECCO'22 Companion : Proceedings of the 2022 Genetic and Evolutionary Computation Conference Companion, July 09-13, 2022 Boston, Massachusetts / ed. Jonathan E. Fieldsend. New York, NY : ACM, cop. 2022. s. 2095-2103.	2022
4.	Norbert Kozłowski, Olgierd Unold. Internalizing knowledge for Anticipatory Classifier Systems in discretized real-valued environments. IEEE Access. 2022, vol. 10, s. 33816-33828.	2022
5.	Wojciech Wieczorek, Łukasz Strąk, Arkadiusz Nowakowski, Olgierd Unold Exact searching for the smallest deterministic automaton. W: Computational Science - ICCS 2021 : 21st International Conference Krakow, Poland, June 16-18, 2021 : proceedings. Pt. 3 / eds. Maciej Paszynski [i in.. Cham : Springer, cop.	2021



	2021. s. 50-63. (Lecture Notes in Computer Science, ISSN 0302-9743; vol. 12744)	
6.	Olgierd Unold, Witold W. Dyrka, Mateusz Gabor Unsupervised grammar induction for revealing the internal structure of protein sequence motifs. W: Artificial intelligence in medicine : 18th International Conference on Artificial Intelligence in Medicine, AIME 2020, Minneapolis, MN, USA, August 25-28, 2020 : proceedings / eds. Martin Michalowski, Robert Moskovitch. Cham : Springer, cop. 2020. s. 299-309. (Lecture Notes in Computer Science. Lecture Notes in Artificial Intelligence, ISSN 0302-9743; vol. 12299)	2020
7.	Wojciech Wieczorek, Łukasz Strąk, Arkadiusz Nowakowski, Olgierd Unold Grammatical inference by answer set programming. W: Computational Science - ICCS 2020 : 20th International Conference Amsterdam, the Netherlands, June 3-5, 2020 : proceedings. Pt. 4 / eds. Valeria V. Krzhizhanovskaya [i in.. Cham : Springer, cop. 2020. s. 45-58. (Lecture Notes in Computer Science, ISSN 0302-9743; vol. 12140)	2020
8.	Norbert Kozłowski, Olgierd Unold Investigating exploration techniques for ACS in discretized real-valued environments. W: GECCO '20 : Proceedings of the Genetic and Evolutionary Computation Conference Companion, Cancún, Mexico, July 08-12, 2020. New York, NY : ACM, cop. 2020. s. 1765-1773.	2020
9.	Olgierd Unold, Maciej Nikodem, Marek Piasecki, Kamil A. Szyk, Henryk Maciejewski, Marek Bawiec, Paweł Dobrowolski, Michał Zdunek IoT-based cow health monitoring system. W: Computational Science - ICCS 2020 : 20th International Conference Amsterdam, the Netherlands, June 3-5, 2020 : proceedings. Pt. 5 / eds. Valeria V. Krzhizhanovskaya [i in.. Cham : Springer, cop. 2020. s. 344-356. (Lecture Notes in Computer Science, ISSN 0302-9743; vol. 12141)	2020
10	Norbert Kozłowski, Olgierd Unold Preliminary tests of a real-valued Anticipatory Classifier System. W: GECCO '19 : Proceedings of the Genetic and Evolutionary Computation Conference Companion, Prague, Czech Republic, July 13-17, 2019. New York, NY : ACM, cop. 2019. s. 1289-1294.	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.)	R&D Leader
	Project title	Cattle lameness detection system based on cow mobility, character walks and strain gauges, using artificial intelligence
	Sources of funding	NCBIR
	Name of the call	
	Implementation period	2022-2023
2	Role in the project (e.g., principal investigator, work package leader, etc.)	Primary investigator
	Project title	Methods of grammatical inference in the classification of amyloid proteins”
	Sources of funding	National Science Center
	Name of the call	
	Implementation period	2017-2019
3	Role in the project (e.g., principal investigator, work package leader, etc.)	Primary Investigator
	Project title	
	Sources of funding	Ministry of Science and Higher Education
	Name of the call	
	Implementation period	2010-2012
4	Role in the project (e.g., principal investigator, work package leader, etc.)	R&D Leader
	Project title	Cattle Life Monitoring System
	Sources of funding	NCBiR
	Name of the call	
	Implementation period	2017-2018

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.	Chief editor of the Machine Learning special number (Impact	2019



	Factor=1.855, Q1) entitled „Special Issue on Grammatical Inference”	
2.	Chief editor of the 93 Proceedings of Machine Learning Research, 2018 Unold O. [ed.], Dyrka W. [ed.], Wieczorek W. (ed.) (2018), International Conference on Grammatical Inference, 5-7 September 2018, Proceedings of Machine Learning Research	2018
3.	General chair of 14th International Conference on Grammatical Inference ICGI 2018, 5-7.09.2018, Wrocław, Poland	2018

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.	courses in doctoral schools and PhD studies	From 2011
2.		
3.		

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.	Łukasz Cielecki	Application of an evolutionary induction system of grammar in the classification of objects	2014
2.	Norbert Kozłowski	Real-valued Anticipatory Learning Classifier System	2020
3.	Zbigniew Pliszka	New methods of searching the binary vector space in solving selected optimization problems	2022

7. Prizes and awards

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

No	Description	Year
1.	Wrocław University of Science and Technology — Rector’s Award for in recognition of distinctive contributions to the university	2012, 2014, 2018, 2022
2.		
3.		



8. Other significant achievements

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