



## ACADEMIC TEACHER PROFESSIONAL EXPERIENCE

### DOCTORAL SCHOOL OF WROCLAW UNIVERSITY OF SCIENCE AND TECHNOLOGY

#### 1. Basic information

Name, surname:	Dariusz Krol
Grade / Title:	Prof. WUST, DSc, PhD, Eng.
Scientific discipline	<b>informatyka techniczna i telekomunikacja / information and communication technology</b>
Faculty:	W4 Wydział Informatyki i Telekomunikacji / Faculty of Information and Communication Technology
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Link to home page and/or research profiles (Google Scholar, ResearchGate, etc.)	<a href="https://orcid.org/0000-0002-2715-6000">https://orcid.org/0000-0002-2715-6000</a> <a href="https://www.researchgate.net/profile/Dariusz-Krol">https://www.researchgate.net/profile/Dariusz-Krol</a> <a href="https://scholar.google.com/citations?user=oqN2J_MAAAAJ&amp;hl=en">https://scholar.google.com/citations?user=oqN2J_MAAAAJ&amp;hl=en</a>

#### 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.	<a href="#">Maksymilian Piechota</a> , <a href="#">Mikołaj Nowak</a> , <a href="#">Dariusz Król</a> Development of an event-driven system architecture for smart manufacturing. W: Computational Science - ICCS 2022 : 22nd International Conference London, UK, June 21-23, 2022 : proceedings. Pt. 3 / eds. Derek Groen [i in.]. Cham : Springer, cop. 2022. s. 455-468. (Lecture Notes in Computer Science, ISSN 0302-9743; vol. 13352)	2022
2.	<a href="#">Nunik Afriliana</a> , <a href="#">Dariusz Król</a> , Ford Lumban. Gaol* Computational intelligence techniques for assessing data quality: towards knowledge-driven processing. 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. s. 392-405. (Lecture Notes in Computer Science, ISSN 0302-9743; vol. 12744)	2021
3.	Pucher Sz., Król D. (2020): A quality assessment tool for Koblenz datasets using metrics-driven approach. IEA/AIE 2020, LNAI 12144, Springer: 747-758	2020
4.	Król D., Skowroński J., Zareba M. and Bartecki K. (2019): Development of a Decision Support Tool for Intelligent Manufacturing using Classification and Correlation Analysis. SMC 2019, IEEE Computer Society: 88-94	2019
5.	Król D., Nowakowski F. (2017): Development of a real-time multi-agent system: a practical study on ensuring timing correctness. Journal of Intelligent & Fuzzy Systems 32: 1461-1473	2017
6.	Król, D., Nguyen, N.T., Kiyooki Shirai (Eds.) (2017): <a href="#">Advanced Topics in Intelligent Information and Database Systems</a> . Studies in Computational Intelligence, vol. 710, Springer	2017



7.	Król D., Atijas S. (2015): Common Features against Similarity for Discovering Social Circles in Networks. ENIC 2015, IEEE Computer Society: 91-97	2015
8.	Król D., Budka M., Musiał K. (2014): Simulating the information diffusion process in complex networks using push and pull strategies. ENIC 2014, IEEE Computer Society: 1-8	2014

### 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.)	Supervisor of research project
	Project title	Development doctorate
	Sources of funding	Ministry of of Education and Science (MEiN)
	Name of the call	6th edition of the MEiN program
	Implementation period	2022-2026
2.	Role in the project (e.g., principal investigator, work package leader, etc.)	Leader of task
	Project title	STER Internationalization of doctoral schools
	Sources of funding	Polish National Agency for Academic Exchange (NAWA)
	Name of the call	
	Implementation period	2022
3.	Role in the project (e.g., principal investigator, work package leader, etc.)	Leader of research project
	Project title	<i>Development of an innovative method of matchmaking business and scientific partners based on the deep learning model</i>
	Sources of funding	City of Wrocław
	Name of the call	
	Implementation period	2020-2021
4.	Role in the project (e.g., principal investigator, work package leader, etc.)	Principal investigator
	Project title	<i>Deep Recommendation based on Collective Knowledge</i>
	Sources of funding	DAAD and Polish Ministry of Science and Higher Education
	Name of the call	
	Implementation period	2018-2019
5.	Role in the project (e.g., principal investigator, work package leader, etc.)	Principal investigator
	Project title	<i>Production Unit Performance Management Tool (PUPMT) - development of an innovative monitoring and diagnostic tool in the selection of factors having a significant impact on the efficiency index of dedicated production units based on the paradigms of control theory in order to optimize production processes in industry</i>
	Sources of funding	National Centre for Research and Development (NCBR)
	Name of the call	



Implementation period	2017-2018
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#### 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.	Horizon Europe, Horizon 2020 (European Commission expert)	2017-present
2.	He has held positions as Marie Curie Senior Research Fellow at the Bournemouth University and DAAD Research Fellow at the Friedrich-Alexander-Universität.	2012-2014

#### 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.	Introduction to artificial intelligence W04ITT-SD0116W	2021-present
2.	Recent research trends in information and communication technology W04ITT-SD0047W	2020-present

#### 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.			
2.			

#### 7. Prizes and awards

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

No.	Description	Year
3.	Medal of the National Education Commission	2022
1.	Marie Curie Fellowship	2012
2.	IBM Eclipse Award	2005

#### 8. Other significant achievements

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

Dariusz Król is currently Professor and Vice-Dean for General Affairs of Faculty of Information and Communication Technology at the Wrocław University of Science and Technology. He has published over 150 peer-refereed papers, co-authored three books, and is a co-editor of four books. He also works for the European Commission (EX2006C164768) and for EDGE under Marie Skłodowska-Curie



Action as project evaluator and reviewer. His prestigious contribution in the field was rewarded by IBM, granted by European Commission, Polish National Centre for Science, Polish Ministry of Science and Higher Education, and DAAD. He has great hands-on experience with EU-funded projects and programmes. Moreover, in recognition of professional standing, he has been elected to the grade of IEEE Senior Member.