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:	Mariusz Hasiak
Grade / Title:	Assoc. Prof., Ph.D.
Scientific discipline	**inżynieria materiałowa / materials engineering**
Faculty:	W10 Wydział Mechaniczny / Faculty of Mechanical Engineering
Email address:	mariusz.hasiak@pwr.edu.pl
Link to home page and/or research profiles (Google Scholar, ResearchGate, etc.)	ORCID: https://orcid.org/0000-0003-1093-6833

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.	T. Jęsiak*, Mariusz Hasiak, Amadeusz Łaszcz, Jacek Chęcmanowski, Y. Gerasymchuk*, P. Stachowiak*, Wiesław Stręk*, Dariusz Hreniak*, Thermo-smart composite materials: Exploring the potential of graphene-doped porous silica foams. Construction and Building Materials. 2023, vol. 394, art. 132249, s. 1-8. 10.1016/j.conbuildmat.2023.132249	2023
2.	Agnieszka Łukiewska*, Mirosław Łukiewski*, Mariusz Hasiak, Hanna Łukiewska, Microstructure, magnetic properties, and application of FINEMET-type alloys with Co addition. Applied Sciences. 2023, vol. 13, nr 8, art. 4693, s. 1-11, 10.3390/app13084693	2023
3.	Michał M. Biały, Mariusz Hasiak, Amadeusz Łaszcz, A novel approach to analysis of complex crystallization behavior in Zr-based bulk metallic glass by non-isothermal kinetics studies. Metallurgical and Materials Transactions. A. Physical Metallurgy and Materials Science. 2023, vol. 54, s. 1428-1442. 10.1007/s11661-023-06997-y	2023
4.	Michał M. Biały, Mariusz Hasiak, Amadeusz Łaszcz, Review on biocompatibility and prospect biomedical applications of novel functional metallic glasses. Journal of Functional Biomaterials. 2022, vol. 13, nr 4, art. 245, s. 1-41, 10.3390/jfb13040245	2022
5.	Piotr Gębara*, Mariusz Hasiak, Jozef Kovac*, Michal Rajnak*, Entalpy of mixing, microstructure, structural, thermomagnetic and mechanical properties of binary Gd-Pb alloys. Materials. 2022, vol. 15, nr 20, art. 7213, s. 1-21, 10.3390/ma15207213	2022
6.	Mariusz Hasiak, Marzena Tkaczyk*, Amadeusz Łaszcz, Jacek Olszewski*, Effect of alloying additions on microstructure, mechanical and magnetic properties of rapidly cooled bulk Fe-B-M-Cu (M = Ti, Mo and Mn) alloys. Metallurgical and Materials Transactions. A. Physical Metallurgy and Materials Science. 2022, vol. 53, s. 556-572, 10.1007/s11661-021-06530-z	2022
7.	Mariusz Hasiak, Beata Sobieszczańska*, Amadeusz Łaszcz, Michał M. Biały, Jacek Chęcmanowski, Tomasz Zatoński*, Edyta Bożemska*, Magdalena	2022

	Wawrzyńska*, Production, mechanical properties and biomedical characterization of ZrTi-based bulk metallic glasses in comparison with 316L stainless steel and Ti6Al4V alloy. Materials. 2022, vol. 15, nr 1, art. 252, s. 1-19, 10.3390/ma15010252	
8.	Mariusz Hasiak, Jan Świerczek*, Some thermomagnetic and mechanical properties of amorphous Fe75Zr4Ti3Cu1B17 ribbons. Materials. 2022, vol. 15, nr 1, art. 368, s. 1-12, 10.3390/ma15010368	2022
9.	Łukasz Wasyluk*, Vitalii Boiko*, Marta Markowska*, Mariusz Hasiak, Maria Luisa. Saladino*, Dariusz Hreniak*, Matteo Amati*, Luca Gregoratti*, Patrick Zeller*, Dariusz Biały*, Jacek Arkowski*, Magdalena Wawrzyńska*, Graphene coating obtained in a cold-wall CVD process on the Co-Cr alloy (L-605) for medical applications. International Journal of Molecular Sciences. 2021, vol. 22, nr 6, art. 2917, s. 1-22, 10.3390/ijms22062917	2021
10.	Mariusz Hasiak, Microstructure to magnetic properties and nanoindentation mapping of mechanical properties relationship in amorphous and partially crystallized Fe-Si-B-P-type alloy. Journal of Alloys and Compounds. 2019, vol. 803, s. 371-378, 10.1016/j.jallcom.2019.06.065	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.)	Project manager
	Project title	Relationship between microstructure and mechanical and magnetic properties in amorphous and nanocrystalline metallic alloys
	Sources of funding	MNiSW
	Name of the call	POL-POSTDOC II Nr PBZ/MEiN/01/2006/09
	Implementation period	2007-2009
2.	Role in the project (e.g., principal investigator, work package leader, etc.)	Contractor
	Project title	Support for management of scientific infrastructure
	Sources of funding	NCBR
	Name of the call	POIG 2.1 & 2.2
	Implementation period	2013
3.	Role in the project (e.g., principal investigator, work package leader, etc.)	Contractor
	Project title	Structural Modifications of Amorphous and Nanocrystalline Fe-Based Alloys
	Sources of funding	MNiSW
	Name of the call	Polish-Slovak joint research project No. SK-PL-0013-09
	Implementation period	2010-2011
4.	Role in the project (e.g., principal investigator, work package leader, etc.)	Contractor

	Project title	Structural and Magnetic Properties of Ion Irradiated Metallic Glasses
	Sources of funding	MNiSW
	Name of the call	Polish-Slovak joint research project No. SK-PL-0032-12
	Implementation period	2013-2014
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.	University of the Ryukyus, Japan	1999-2002
2.		
3.		

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.	Advanced multifunctional amorphous and crystalline metallic materials - manufacturing and investigations	2022
2.	Slovak University of Technology in Bratislava, Faculty of Electrical Engineering and Information Technology	2016
3.	3rd Winter School of Synchrotron Radiation 2014" Ministry of Education, Science, Research and Sport of the Slovak Republic	2014

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.	Marzena Tkaczyk	Wybrane masywne amorficzne i nanokrystaliczne stopy na bazie żelaza – wytwarzanie, właściwości i zastosowanie.	2021
2.	Amadeusz Łaszcz	Structural, magnetic and micromechanical properties of multifunctional Ni-Mn-Ga heusler alloys influenced by elemental doping	2023

3.			

7. Prizes and awards

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

No.	Description	Year
1.	Award of the Rector of Wroclaw University of Technology in recognition of outstanding contributions to the university	2018
2.	Scholarship of the Rector of Wroclaw University of Technology for outstanding achievements in the scientific category	2018
3.	Award of the Rector of Wroclaw University of Technology	2020
4.	A ward of the Rector of Wroclaw University of Technology	2022

8. Other significant achievements

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

1. Patent PL243410B1: Method of coating an implantable medical device with graphene and application of this method, 2023;
2. Patent application PL445206 - Massive metallic amorphous alloy for thermoforming and a method of manufacturing it without advanced rapid cooling techniques.