



ACADEMIC TEACHER PROFESSIONAL EXPERIENCE

DOCTORAL SCHOOL OF WROCLAW UNIVERSITY OF SCIENCE AND TECHNOLOGY

1. Basic information

Name, surname:	Tomasz Downarowicz
Grade / Title:	professor
Scientific discipline	matematyka / mathematics
Faculty:	W13 Wydział Matematyki / Faculty of Pure and Applied Mathematics
Email address:	downar@pwr.edu.pl
Link to home page and/or research profiles (Google Scholar, ResearchGate, etc.)	https://alfa.im.pwr.edu.pl/~downar/

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.	Tomasz Downarowicz, Dawid Huczek and Guohua Zhang, Tilings of amenable groups, <i>Journal für die Reine und Angewandte Mathematik</i> 747 (2016), 277–298, (200 pkt).	2016
2.	Tomasz Downarowicz and Jacek Serafin, Almost full entropy subshifts uncorrelated to the Möbius function, <i>International Mathematics Research Notices</i> , 2019 3459-3472	2019
3.	David Burguet and Tomasz Downarowicz, Uniform generators, symbolic extensions with an embedding, and structure of periodic orbits, <i>Journal of Dynamics and Differential Equations</i> 31 (2019), 815–852	2019
4.	Vitaly Bergelson, Tomasz Downarowicz and Michal Misiurewicz, A Fresh look at the notion of normality, <i>Annali della Scuola Normale Superiore di Pisa, Classe di Scienze</i> , 21 (2020), 27–88	2020
5.	Tomasz Downarowicz and Guohua Zhang, Symbolic extensions of amenable group actions and the comparison property, <i>Memoirs AMS</i> , 1390, (2023,), 1–87, (200 pkt).	2023
6.	Tomasz Downarowicz, Dominik Kwietniak and Martha Łącka, Uniform continuity of entropy on the regular points endowed with f -bar, <i>IEEE Transactions on Information Theory</i> 67 (2021), 7010–7018, (200 pkt).	2021
7.	Tomasz Downarowicz and Benjamin Weiss, Pure strictly uniform models of non-ergodic measure automorphisms, <i>Discrete and Continuous Dynam. Sys.</i> 42 (2022), 863–884	2022
8.	Tomasz Downarowicz and Guohua Zhang, Tail variational principle and asymptotic h -expansiveness for amenable group actions, <i>Israel Journal of Mathematics</i> 251 (2022), 301–325	2022
9.	Tomasz Downarowicz and Jacek Serafin, Universal systems for entropy intervals, <i>Journal of Dynamics and Differential Equations</i> 29 (2017), 1411–1422.	2017
10.	T. Downarowicz and E. Glasner: Isomorphic extensions and applications	2016



	Topol. Meth. Nonlin. Analysis 48, 321--338	
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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.)	Principal investigator
	Project title	Miary niezmiennicze, entropia i inne parametry wzrostu w klasycznych i nieklasycznych układach dynamicznych
	Sources of funding	NCN
	Name of the call	Maestro
	Implementation period	2013-2018
2.	Role in the project (e.g., principal investigator, work package leader, etc.)	Principal investigator
	Project title	Normalność, determinizm, punkty generyczne i różne pojęcia nieskorelowania w działaniach grup ze średnią
	Sources of funding	NCN
	Name of the call	Harmonia
	Implementation period	2019-2023
3.	Role in the project (e.g., principal investigator, work package leader, etc.)	Principal Investigator
	Project title	Zastosowania multiporządków i pseudometryki f-bar do badania działań przeliczalnych grup ze średnią,
	Sources of funding	NCN
	Name of the call	OPUS
	Implementation period	2023-2026
4.	Role in the project (e.g., principal investigator, work package leader, etc.)	SZCZEGÓŁÓW DAWNIEJSZYCH GRANTÓW MENII NIE PAMIĘTAM
	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).



(Wpisuję tylko kontrakty na co najmniej pół roku)		
No.	Description	Year(s)
1.	2003, Winter and Spring: Visiting Associate Professor, Department of Mathematics, Ohio State University, Columbus, OH	2003
2.	2002, Fall: Visiting Professor, Department of Mathematics, University of North Texas, Denton, TX, USA	2002
3.	2002, Spring and Summer: Visiting Associate Professor, Michigan State University, Lansing, MI, USA	2002
4.	2001, Fall: Visiting Assistant Professor, University of Maryland, College Park, MD, USA	2001
5.	1989-1990: Visiting Assistant Professor, Department of Mathematics, Ohio State University, Columbus, OH	1989-1990
6.	1990-1991: Visiting Assistant Professor, Department of Mathematics, University of North Texas, Denton, TX	1990-1991

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)
	Wielokrotnie prowadziłem kursy dla doktorantów z Układów Dynamicznych, Teorii Ergodycznej i Teorii Entropii. Nie jestem w stanie odtworzyć dokładnych dat. Aktualnie prowadzę taki kurs w semestrze zimowym	2000-2023 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
No.	Description		Year(s)
1.	Bartosz Frej (completed with distinction)		2000–2003
2.	Paulina Grzegorek (completed with distinction)		2005–2009
3.	Dawid Huczek (completed with distinction)		2007–2012
4.	Paulina Frej		2009–2012
5.	Dariusz Tywoniuk		2009-2016
6.	Lei Jin		2015-2017
7.	Mateusz Więcek		2019-2023

7. Prizes and awards

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

No.	Description	Year
1.	Indywidualna nagroda Ministra Edukacji Narodowej	2005
2.	Nagroda Główna PTM im. Stefana Banacha	2010



3.	Indywidualna nagroda Ministra Nauki i Szkolnictwa Wyższego za wybitne osiągnięcia naukowe	2012
4.	Nagroda Naukowa Rektora PWr im. Hugona Steinhausa	2019
5.	Nagroda Rektora PWr.	2023

8. Other significant achievements

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

Ponad 100 publikacji w renomowanych czasopismach, w tym 3 prace w Inventiones Math.
Monografia „Entropy in Dynamical Systems” (2011) Cambridge University Press,
2019-2025 Wiceprezes PTM,
2023-2026 Dyrektor Centrum Rylla-Nardzewskiego