



ACADEMIC TEACHER PROFESSIONAL EXPERIENCE

DOCTORAL SCHOOL OF WROCŁAW UNIVERSITY OF SCIENCE AND TECHNOLOGY

1. Basic information

Name, surname:	Tomasz Jakubowski
Grade / Title:	dr hab. Inż.
Scientific discipline	matematyka / mathematics
Faculty:	W13 Wydział Matematyki / Faculty of Pure and Applied Mathematics
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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. Jakubowski, P. Maciocha, <i>Ground-state representation for the fractional Laplacian on the half-line</i> , Probab. Math. Statist. 43 (2023), no. 1, 83–108.	2023
2.	T. Jakubowski, K. Kaleta, K. Szczykowski, <i>Bound states and heat kernels for fractional-type Schrödinger operators with</i> , Comm. Math. Phys. 403 (2023), no. 2, 795–828.	2023
3.	K. Bogdan, T. Jakubowski, P. Kim, D. Pilarczyk, <i>Self-similar solution for Hardy operator</i> , J. Funct. Anal. 285(2023), no.5, Paper No. 110014, 40 pp.	2023
4.	T. Jakubowski, G. Serafin, <i>Fractional Burgers equation with singular initial condition</i> , Nonlinear Anal. 232 (2023), Paper No. 113269, 23 pp.	2023
5.	K. Bogdan, T. Jakubowski, J. Lenczewska, K. Pietruska-Pałuba, <i>Optimal Hardy inequality for the fractional Laplacian on L_p</i> , J. Funct. Anal. 282 (2022), no. 8, Paper No. 109395, 31 pp.	2022
6.	T. Jakubowski, J. Wang, <i>Heat kernel estimates of fractional Schrödinger operators with negative Hardy potential</i> , Potential Anal. 53 (2020), no. 3, 997–1024.	2020
7.	T. Jakubowski, G. Serafin, <i>Uniform pointwise asymptotics of solutions to quasi-geostrophic equation</i> , Nonlinearity 33 (2020), no. 6, 2686–2706.	2020
8.	K. Bogdan, T. Grzywny, T. Jakubowski, D. Pilarczyk, <i>Fractional Laplacian with Hardy potential</i> , Comm. Partial Differential Equations 44 (2019), no. 1, 20–50.	2019
9.	T. Jakubowski, G. Serafin, <i>Pointwise estimates for solutions of fractal Burgers equation</i> , J. Differential Equations 261 (2016), no. 11, 6283–6301.	2016
10.	T. Jakubowski, G. Serafin, <i>Stable estimates for source solution of critical fractal Burgers equation</i> , Nonlinear Anal. 130 (2016), 396–407.	2016

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	Równania różniczkowe i nierówności związane z operatorami Markowa
	Sources of funding	NCN
	Name of the call	Sonata Bis
	Implementation period	2016-2021
2.	Role in the project (e.g., principal investigator, work package leader, etc.)	principal investigator
	Project title	Liniowe i nieliniowe modele z operatorem Lévy'ego
	Sources of funding	NCN
	Name of the call	Iuventus Plus
	Implementation period	2013-2015
3.	Role in the project (e.g., principal investigator, work package leader, etc.)	Investigator
	Project title	Procesy Markowa i Półgrupy Operatorów
	Sources of funding	MNiSW
	Name of the call	
	Implementation period	2009-2012
4.	Role in the project (e.g., principal investigator, work package leader, etc.)	investigator
	Project title	Etude de certains processus autosimilaires et applications
	Sources of funding	ANR (France)
	Name of the call	
	Implementation period	2009-2013
5.	Role in the project (e.g., principal investigator, work package leader, etc.)	investigator
	Project title	Metody analityczne w teorii potencjału procesów Markowa
	Sources of funding	KBN
	Name of the call	
	Implementation period	2005-2008

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.	Visiting professor stay (Université d'Angers, France)	2021
2.	Research collaboration with P. Graczyk (Université d'Angers, France)	2008-2013
3.	Post doc position (Angers, France)	2007-2008
	Many speeches and presentations delivered at international conferences	2002-2023



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.	Reporting Seminar (course in doctoral school)	
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.	Grzegorz Żurek	Zaburzenia gradientowe unimodalnych procesów Lévy'ego	2017
2.			
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.	I nagroda w konkursie Polskiego Towarzystwa Matematycznego na najlepszą pracę magisterską z dziedziny probabilistyki	2002
2.	stypendium im. Stanisława Saksa	2006
3.	stypendium Fundacji na rzecz Nauki Polskiej "Start"	2009
4.	stypendium dla młodych doktorów w ramach programu "Młoda Kadra"	2010
5.	stypendium Ministra Nauki i Szkolnictwa Wyższego dla wybitnych młodych naukowców	2011

8. Other significant achievements

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