Curriculum vitae

PERSONAL INFORMATION	Paweł Józiak
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	1 http://www.impan.pl/~pjoziak/
	Date and place of birth November 18, 1988, Oława, Poland
	Personal status Engaged, 1 Child Nationality Polish
Scientific Interests	Functional analysis and operator algebras; locally compact quantum groups: group-theoretic properties, representation theory and approximation properties; applications of these in non-commutative probability and geometry
	Destoral studies in Institute of Mathematics of the Polish Academy of Sciences, Warsow
11 2013-11 2017 Fall 2012	Doctoral studies in Institute of Mathematics of the Polish Academy of Sciences, Warsaw.
Spring 2011	A Trimester at Institute of Mathematics of the Folish Academy of Sciences, Wioclaw. group actions
X 2010–VI 2012	Master of Sciences in Mathematics (Pure Mathematics): studies in Mathematical Institute of Wrocław University.
X 2007–VI 2010	Bachelor of Sciences in Mathematics (Pure Mathematics): studies in Mathematical Institute of Wrocław University.
PHD THESIS	
Title	Hopf images in locally compact quantum groups
Supervisors	dr hab. Piotr M. Sołtan, dr hab. Paweł Kasprzak
Description	The thesis contains a thorough study of the notion of generation of a quantum subgroup (i.e. a Hopf image of a morphism), in particular, we constructively establish existence of the Hopf image of a given morphism. We compare our construction to the concepts already existing in the literature in restricted setting (of compact/discrete quantum groups). We provide a number of equivalent characterizations of the Hopf image of a given morphism and present some results that mimic the classical concept of generating subsets. We provide an example of a quantum generating set in quantum permutation groups, answering a question of Skalski and Sołtan.
Comment	Thesis defended on 30. March 2017
MASTER THESIS	
Title	Własności spektralne metryk grup (Spectral properties of metrics of groups)
Supervisor	Prof. Marek Bożejko
Description	We study the class of conditionally strictly negative definite kernels. We show that this class carries some surprising rigidity, in particular, the word metric on Coxeter groups belongs to this class if and only if the group is a free product of a number of copies of \mathbb{Z}_2 's and that the class of conditionally strictly negative definite kernels on a finite set is a one-parameter perturbation of the class of strictly positive definite kernels on this set. We discuss several examples.
Comment	Thesis defended on 29. June 2012. The thesis won the Grand Prix in the 56^{th} J. Marcinkiewicz
TEACHING EXPERIENCE	Competition for the best student paper in mathematics
2016-present	Instructor of Olympiad's Preparatory Classes at Akademeia High School in Warsaw
2016	Linear Algebra & Geometry, grader, University of Warsaw
2014	Mathematics for Chemistry Students, recitations, University of Waraw
2012	Elements of Computer Science, recitations, Wrocław University
2010	Tutor for BSc student, Wrocław University
2008–2010	Tutor for High School Students at various Mathematical Camps
2007–2012	Instructor of Olympiad's Preparatory Classes at Stefan Żeromski High School

ARTICLES	
1)	P. Józiak, <i>Conditionally strictly negative definite kernels</i> , Linear Multilinear Algebra 63 (2015), 2406-2418
2)	P. Józiak, P. Kapsrzak and P. M. Sołtan, <i>Hopf Images in Locally Compact Quantum Groups</i> , arXiv:1611.06225
	P. Józiak, <i>Remarks on Hopf images and quantum permutation groups</i> S_n^+ , arXiv:1611.09211, accepted in Canad. Math. Bull.
SCHOLARSHIPS, OLYMPIADS	
2016	IMPAN Travel grant for young researchers (4400PLN)
2016	Participant in Besançon–Warsaw PHC Polonium 35217RD travel grant (leaders: Quanhua Xu, Adam Skalski)
2016-present	Participant in the grant NCN Opus 2015/17/B/ST1/00085 Selected topics in the theory of locally compact quantum groups (leader: Piotr M. Sołtan)
2015-present	Scholarship of Instutute of Mathematics of the Polish Academy of Sciences for the PhD pro- gramme
2013	Grand Prix in the 56^{th} J. Marcinkiewicz Competition for the best student paper in mathematics for MSc thesis
2012-2015	Scholarship of Warsaw Center for Mathematics and Computers Science for the PhD pro- gramme
2012-2015	Participant in the grant NCN Opus 2012/05/B/ST1/00626 Noncommutatice probability and har- monic analysis with applications (leader: Marek Bożejko)
2011-2012	Scholarship of the Wrocław University's rector for achievements in studies
2010-2012	Scholarship of the Ministry of Sciences and Higher Education's rector for exceptional achieve- ments in studies
2008-2010	Wrocław University scholarship for achievements in studies
2009	Participant in the 19^{th} Vojtěch Jarník International Mathematical Competition
2007	Participant in the 58^{th} Polish Mathematics Olympiad, in in the 56^{th} Polish Physics Olympiad and in the 3^{rd} Polish Mathematical Linguistics Olympiad
CONFERENCES AND WORKSHOPS	
XI 2016	Structure and classification of C^* -algebras, Warsaw
XI 2016	Topological quantum groups and Hopf algebras, Warsaw
X 2016	Non-commutative index theory conference, Warsaw
X 2016	Cyclic homology conference, Warsaw
VII 2016	17 th Workshop: Non-commutative Harmonic Analysis, Będlewo
VII 2016	7 th ECM Satellite: Compact quantum groups, Greifswald
V 2016	Quantum groups: geometry, representations, and beyond, Oslo
VII 2015	Topological Quantum Groups, Będlewo
IV 2015	Quantum Probability, Groups and Geometry, Warsaw
VII 2014	16 th Workshop: Non-commutative Harmonic Analysis, Będlewo
IV 2014	Wandering Seminar in Dynamical Systems, Warsaw
IX 2013	1^{st} Heidelberg Laureate Forum, Heidelberg
IX 2013	Masterclass in Free Probability and Operator Algebras, Münster
VII 2013	QOP: C*-algebras and Banach Algebras, Warsaw
III 2013	Journée Thématiques: Approximation properties & Harmonic analysis on quantum groups, Cergy-Pontoise
IX 2012	15^{th} Workshop: Non-commutative Harmonic Analysis, Będlewo
l 2012	Young Geometric Group Theory, Będlewo

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VII 2011	14 th Workshop: Non-commutative Harmonic Analysis, Będlewo
V 2011	Workshop: II_1 Factors: Rigidity, Symmetries and Classification, Paris
VII 2010	13 th Workshop: Non-commutative Harmonic Analysis, Bedlewo
RESEARCH VISITS AND SEMINAR TALKS	
IV 2017	Young researchers colloquium: IMPAN
XII 2016	Operator algebra seminar: University of Warsaw
XII 2016	Research visit: Université de Franche-Comté, 1 week
XII 2016	Functional analysis seminar: Université de Franche-Comté
XI 2016	Theoretical Physics and Astronomy seminar: University of Gdańsk
X 2016	Probabilistic seminar: Warsaw University of Technology
VI 2016	Operator algebra seminar: University of Warsaw
III 2016	Mathematical analysis seminar: University of Wrocław
l 2016	Non-commutative geometry seminar: IMPAN
V 2015	Geometric group theory seminar: IMPAN
l 2015	Geometric group theory seminar: IMPAN
l 2015	Young researchers colloquium: IMPAN
XII 2013	Geometric group theory seminar: IMPAN
III 2013	Geometric group theory seminar: IMPAN
XI 2011	Mathematical analysis seminar: University of Wrocław
ACTIVITIES	
2014	Coorganizer of the Workshop Introduction to the Mathematical Profession (prud)
2014	Member of the Scientific Council of IMPAN (as a PhD students representative)
2010	Tutor at annual Summer School in Mathematics for high school students
2008-2009	Tutor at annual Winter School in Mathematics for high school students
2008-2010	Coorganizer and tutor at annual Spring School in Mathematics for junior high school students
2008–2012	Member of the Pure Mathematics Students' Association, then Secretary of PMSA (2009) and president of PMSA (2010-2012), coorganizer of 6^{th} , 7^{th} and 8^{th} PMSA Winter School in Mathematics and 3^{rd} and 4^{th} PMSA Summer School in Mathematics
REFERENCES	
prof. Marek Bożejko	Institute of Mathematics of the Polish Academy of Sciences, Wrocław
dr hab. Paweł Kasprzak	University of Warsaw, Physics Departament
dr hab. Adam Skalski	Institute of Mathematics of the Polish Academy of Sciences, Warsaw
prof. Piotr Śniady	Institute of Mathematics of the Polish Academy of Sciences, Toruń
dr hab. Piotr M. Sołtan	University of Warsaw, Physics Departament
SPOKEN LANGUAGES	
Mother tongue	Polish
C1	English
A2	French
A2	German
A1	Norwegian
LEISURE ACTIVITIES	
Child	A rather of a small child has a limited amount of free time
Hiking	Visited: Tatra Mountains, Sudety Mountains, Carpathia Mountains, Atlas Mountains

Music Ability to play: drums, guitar (classical and bass), piano (limited)