Michał Adamaszek

Personal information	Contact details: e-mail: michael.adamaszek@gmail.com web: aszek.net		
Employment	Mosek ApS , Copenhagen, Denmark Optimization specialist	Dec 2016 – now	
	University of Copenhagen, DenmarkDec 2014 – Aug 2016in Experimental Math. in Number Theory, Operator Algebras and TopologyPostdoctoral researcher in experimental mathematics in topology. Conducting research in combinatorics and topology; programming (C++, Python) and analysis of the gathered data; teaching; supervision.		
	Max Planck Institute for Informatics, Saarbrücken, Germany F Postdoctoral researcher in algorithms and complexity. Research in conteaching.		
	Universität Bremen, GermanyOct 2012 – Jan 2014in the Institute for Algebra, Geometry, Topology and their ApplicationsPostdoctoral researcher in probabilistic methods in topology. Research in probabilistic and analytical methods in topology; programming; teaching.		
	Delta, University of Warsaw , Poland <i>Editor</i> of the informatics section in the popular science monthly <i>Delt</i> Warsaw.	2007 - 2008 a of the University of	
	Wydawnictwa Naukowo-Techniczne, Warsaw, Poland Translator of The Java Programming Language, 4th Edition, Ken A David Holmes into Polish.	2007 rnold, James Gosling,	
	TLS-Technologie , Warsaw, Poland $J2EE$ developer in a project for the billing department of a telecoms of	May – Aug 2005 perator.	
Education	University of Warwick, UK in the Centre for Discrete Mathematics and its Applications	2008 - 2012	
	Ph.D. in Mathematics, 2012, Some problems in combinatorial topology of flag complexes Advisors: Prof. John D.S. Jones, Prof. Artur Czumaj		
	University of Warsaw, Poland2001 – 2007M.Sc. in Mathematics, 2007, Spaces of rational maps, Advisor: Prof. Stefan JackowskiM.Sc. in Computer Science, 2006, On some properties of graceful graphs Advisor: Prof. Krzysztof Diks		
	V Liceum Ogólnokształcące w Bielsku-Białej, Bielsko-Biała, Pola	and 1997 – 2001	
Publications	25 journal papers, 5 conference papers, a number of expository articles my homepage).	(full list available from	

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Students	Christian Buchter (bachelor thesis) Integer programming methods in graph coloring, Copenhagen 2017	
	Rasmus Nilsson (M.Sc. thesis, co-supervisor) On the number of flat LEGO structures, Copenhagen 2016	
	Adrien Vakili (bachelor thesis) Vietoris-Rips complexes of points sets in Euclidean space, Copenhagen 2015	
	Marten Rittweger (bachelor thesis, co-supervisor) Topological methods in graph coloring, Bremen 2013	
Grants	Research in pairs, Mathematisches Forschungsinstitut Oberwolfach, Germany, 21 June – 4 July 2015, Behaviour of geometric complexes as the scale increases, with Henry Adams	
Teaching	 (Copenhagen) Graph coloring (MPI Saarbrücken) Graduate seminar: Topological optimization problems (Bremen) Algebraic topology, Homological algebra (Warwick) Discrete mathematics and its applications I, II, Analysis III (Warsaw) Discrete mathematics I, II, Geometry and linear algebra, Introduction to operating systems and networks, Object-oriented programming 	
Awards	Best poster at the British Mathematical Colloquium, 18–21 April 2011, Leicester, UK	
	Two best talk awards (Medal Filca) at Szkoła Matematyki Poglądowej.	
Major talks	Euclidean Rips complexes, Groups and combinatorics, Będlewo, April 2016	
	K-Theory is algorithmically computable, Annual DMV Meeting, Hamburg, September 2015	
	Random Rips dynamics on a circle, Annual DMV Meeting, Hamburg, September 2015	
	Geometric complexes for subsets of the circle and beyond, Geometric and Algebraic Combina- torics, Oberwolfach, February 2015	
	Graph-theoretic methods in combinatorial algebraic topology, EMS/DMF Joint Mathematical Weekend, Algebraic Topology session, Aarhus, April 2013	
	Homology and complexity, Applied and computational topology: ATMCS 5, Edinburgh, July 2012	
	Natural splittings of independence complexes, WATACBA: Workshop on Algebraic Topology and Combinatorics, Buenos Aires, November 2011	
	The symmetric join operad, 78th Transpennine Topology Triangle, Leicester, April 2011	
Outreach	In 2005–2013 I regularly gave invited lectures in <i>Szkoła Matematyki Poglądowej</i> , a cyclic event propagating mathematics and mathematical culture among Polish scientists, teachers and students. I used to give general audience talks and mentored in some events of the Polish Children's Fund and similar.	
REVIEWER FOR	SODA; STOC; SoCG; Order; A>, Isr. J. Math., Homology, Homotopy and its Applications; Proc. Royal Soc., Electr. J. Comb.; J. Comb. Th. Series A; WG; Discrete Math.; Theoretical Comp. Sci.; MCAP; Mathematical Reviews	
Skills	C/C++, Java, Python, C#, Julia, LaTeX, Sage, Linux, Bash, Git	
	algorithms, convex optimization, data structures, algebra, combinatorics, probability, scientific writing, critical reviewing, teaching, public speaking	
Good old days	 First Prize (44th place) at the International Mathematics Competition, Odessa 2006 Central European Collegiate Programming Contest 2003, 10th place. Honorable mention at the 42nd International Mathematical Olympiad, USA 2001. Bronze medal at the 41st International Mathematical Olympiad, Korea 2000. Gold medal at the Baltic Olympiad in Informatics, Poland 2001 Five times finalist (1996,1998–2001) and twice 2nd degree award laureate (2000,2001) in the Mathematical Olympiad (Poland) 3rd degree award (2000) and 2nd degree award (2001) in the Informatics Olympiad (Poland) 	