

Nicholas R. Beaton

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EMPLOYMENT	The University of Melbourne , Parkville, Victoria, Australia School of Mathematics and Statistics <i>ARC DECRA Research Fellow</i>	January 2017 – present
	The University of Saskatchewan , Saskatoon, Saskatchewan, Canada Department of Mathematics and Statistics <i>PIMS Postdoctoral Fellow</i>	December 2014 – December 2016
	The University of Melbourne , Parkville, VIC, Australia ARC Centre of Excellence for Mathematics and Statistics of Complex Systems (MASCOS) Department of Mathematics and Statistics <i>Research Assistant and Casual Lecturer</i>	January – December 2014
	Laboratoire d'Informatique de Paris Nord (LIPN) Institut Galilée Université Paris-Nord Villetaneuse, France <i>Postdoctoral Researcher (ANR Project MAGNUM)</i>	November 2012 – October 2013
EDUCATION	The University of Melbourne , Parkville, VIC, Australia <i>Doctor of Philosophy</i> <ul style="list-style-type: none">• Thesis topic: Combinatorics of Lattice Paths and Polygons• Advisor: Prof. Anthony J. Guttmann The University of Queensland , St. Lucia, QLD, Australia <i>BSc (Hons) – Mathematics</i> <ul style="list-style-type: none">• University Medal and Graduate of the Year (2008)	2009 – 2012 2005 - 2008
TEACHING	The University of Melbourne , Parkville, VIC, Australia <i>MAST10007 Linear Algebra</i> <i>MAST30028 Numerical and Symbolic Mathematics</i> <i>MAST10005 Calculus I</i>	Semester 1, 2018 Semester 2, 2014 Semester 1, 2014
	The University of Saskatchewan , Saskatoon, Saskatchewan, Canada <i>MATH 327 Graph Theory</i> <i>STAT 241 Probability Theory</i> <i>MATH 328 Combinatorics and Enumeration</i> <i>STAT 241 Probability Theory</i>	Term 2, 2015-2016 Term 1, 2015-2016 Term 2, 2014-2015 Term 2, 2014-2015

RESEARCH INTERESTS	My research interests are in statistical mechanics, particularly lattice models of walks, polygons, animals and trees, and their applications to modelling interacting polymer systems. Problems in these fields are also frequently connected with complex analysis, stochastic processes and algorithms for counting and simulating discrete structures.
GRANTS	Discovery Early Career Researcher Award (DECRA) 2017–2020 from the Australian Research Council (ARC)
PUBLICATIONS & SELECTED PRESENTATIONS	See the attached Publication List.
CONFERENCE ORGANISATION	Co-organiser (Proceedings Editor) of the 31 st International Conference on Formal Power Series and Algebraic Combinatorics (FPSAC 2019) July 1–5, 2019 University of Ljubljana, Ljubljana, Slovenia Co-organiser (Proceedings Editor) of the 29 th International Conference on Formal Power Series and Algebraic Combinatorics (FPSAC 2017) July 9–13, 2017 Queen Mary University of London, London, UK Co-organiser of three Contributed Minisymposia on <i>Combinatorics, topology and statistical mechanics of polymer models</i> 11th Biennial Canadian Discrete and Algorithmic Mathematics Conference (CanaDAM) June 1–4, 2015 University of Saskatchewan, Saskatoon, Canada
OUTREACH & ENGAGEMENT	Member of the Advisory Board for <i>Journal of Physics A: Mathematical and Theoretical</i> . Volunteer for <i>MathsCraft</i> events, which connect mathematicians with high school students and teachers at events focused on open-ended mathematical problems and thinking like a researcher. Co-organiser of the Australian <i>National Science Quiz</i> 2017. Multiple-time performer at <i>The Laborastory</i> , a monthly science-based storytelling event held in Melbourne, Australia. See my website for recordings of my performances. Speaker at <i>Café Scientifique</i> , a monthly event held in cities around the world for scientists and like-minded people to discuss the latest advances in science and technology.