

Matthew Spong

Contact information	Matthew Spong School of Mathematics and Statistics University of Melbourne Parkville VIC 3010 Australia	Nationality	Australian
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		Web	www.matthewjspong.net
Education	University of Melbourne: Ph.D. in Mathematics, Melbourne, December 2019 supervised by Nora Ganter (having satisfied all requirements for completion in July 2019) Freie Universität: undertook studies for the M.Sc. in Mathematics (incomplete), Berlin, 2013-2014 University of Queensland: B.Sc., Hons. 1st class, Mathematics, Brisbane, December 2011		
Employment	University of Melbourne 2019-present Research Fellow in Pure Mathematics, starting July 2019 University of Melbourne 2016-2019 Tutor, starting February 2016		
Preprints	<i>Comparison theorems for torus-equivariant elliptic cohomology theories</i> (PhD thesis) arXiv:1903.06369 <i>A construction of complex analytic elliptic cohomology from double free loop spaces</i> (submitted for publication) arXiv:1910.05659 <i>Twisted quasi-elliptic cohomology and a Chern character map</i> (with Zhen Huan, in preparation)		
Invited seminars	I have been invited to speak at the following institutions: Ruhr Universität, Bochum, Germany, 26th November 2019 Johns Hopkins Topology Seminar, Johns Hopkins University, Baltimore, USA, 18th November 2019 Notre Dame Topology Seminar, University of Notre Dame, Notre Dame, USA, 12th November 2019 UIUC Topology Seminar, University of Illinois at Urbana-Champaign, Urbana-Champaign, USA, 5th November 2019		
Conference talks	I have given a contributed talk at the following conferences: Elliptic Cohomology Days, University of Illinois at Urbana-Champaign, Urbana, USA, June 2019 AMS Mathematics Research Community on Geometric Representation Theory and Equivariant Elliptic Cohomology, Rhode Island, USA, June 2019 Annual meeting of the Australian Mathematical Society, University of Adelaide, Adelaide, Australia, November 2018 Annual meeting of the Australian Mathematical Society, Macquarie University, Sydney, Australia, December 2017 Conference in Honour of Michael Murray, University of Adelaide, Adelaide, Australia, November 2017		
Organising roles	Assistant organiser for the AMS Mathematics Research Community on Geometric Representation Theory and Equivariant Elliptic Cohomology, Rhode Island, USA, June 2019		
Conferences attended	MSRI Summer School on Derived Geometry and Higher Categorical Structures in Geometry and Physics, University of Toronto, Toronto, Canada June 2018 Geometric R-Matrices: From Geometry to Probability, University of Melbourne (Matrix Institute), Creswick, Australia, December 2017 Topology in Australia and South Korea, University of Melbourne (AMSI), Melbourne, Australia, May 2017 AMSI Conference on Geometric and Categorical Representation Theory, Mooloolaba, Australia, June 2016 Workshop on Equivariant Generalised Schubert Calculus and its Applications, University of Ottawa, Ottawa, Canada, June 2015		

Research visits	University of Illinois at Urbana-Champaign, Urbana, USA, 26th October - 9th November 2019 University of Notre Dame, Notre Dame, USA, 11 - 15th November 2019
Teaching	The University of Melbourne Tutor for first year calculus (MAST10006) - First semester 2016-2019, Second semester 2016-2018 Tutor for first year linear algebra (MAST10007) (includes Matlab practical classes) - First semester 2019
Research interests	Algebraic topology, representation theory, mathematical physics, in particular elliptic cohomology and its relationship to each of these fields
Professional Affiliations	Member of the Australian Mathematical Society Member of the American Mathematical Society
Skills	Latex, R (basic proficiency), Matlab (basic proficiency)