

## Jamie Scott

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CONTACT INFORMATION	University of Florida Mathematics Department PO Box 118105 Gainesville, FL 32611 USA	<i>Phone:</i> (727) 902-4690 <i>Email:</i> hiwhoareyou1@ufl.edu
EDUCATION	<b>University of Florida</b> Ph.D. in Mathematics Advisor: Alexander Dranishnikov	August 2017 - May 2022 (expected)
	<b>University of Florida</b> M.S. in Mathematics	August 2017 - December 2018
	<b>University of Florida</b> B.S. in Mathematics, minor in Physics (Summa Cum Laude) Honors thesis: Injectivity of Homomorphisms between Groupoids and Inverse Semigroups Advisor: Paul Robinson (Research done under David Milan from University of Texas at Tyler)	August 2013 - May 2017
RESEARCH INTERESTS	LS-Category, Topological Robotics, Sectional Category, Inverse Semigroups	
PREPRINTS	<ul style="list-style-type: none"><li>- Jamie Scott, <i>Surgery Applications to a Generalized Rudyak Conjecture</i> (2021). <b>arXiv:2109.08011 [math.AT]</b></li><li>- Jamie Scott, <i>On the Topological Complexity of Maps</i> (2020). <b>arXiv:2011.10646 [math.AT]</b></li></ul>	
PUBLICATIONS	<ul style="list-style-type: none"><li>- Alexander Dranishnikov and Jamie Scott, <i>Surgery Approach to Rudyak's Conjecture</i>, To Appear in <i>Topology and its Applications</i> (2020). <b>arXiv:2008.06002 [math.AT]</b></li><li>- Scott LaLonde, David Milan, and Jamie Scott, <i>Condition (K) for inverse semigroups and the ideal structure of their <math>C^*</math>-algebras</i>, <i>Journal of Algebra</i>, <b>523</b>, 119-153 (2019). <b>doi:10.1016/j.jalgebra.2018.12.017 arXiv:1710.04696 [math.OA]</b></li></ul>	
OTHER RESEARCH PROJECTS	<ul style="list-style-type: none"><li>- Homotopy dimension of covers for sectional category.</li><li>- Higher topological complexity and TC-generating functions for maps.</li><li>- Using J-categories to determine the categorically correct extensions of LS-category and topological complexity to maps (and maybe diagrams).</li><li>- Defining Postnikov essential manifolds.</li></ul>	
INVITED TALKS	- <i>Spring Topology and Dynamics Conference: A Surgery Approach to Rudyak's Conjecture</i>	May 2021
CONTRIBUTED TALKS	<ul style="list-style-type: none"><li>- <i>Young Topologists Meeting: On the Topological Complexity of Maps</i></li><li>- <i>TopFlavours: On the Topological Complexity of Maps</i></li></ul>	July 2021 June 2021
SEMINAR TALKS	<ul style="list-style-type: none"><li>- <i>U. Florida (Topology and Dynamics seminar): On the Topological Complexity of Maps</i></li><li>- <i>U. Florida (Topology and Dynamics seminar): LS-category and the Topological Complexity of Maps</i></li></ul>	February 2021 September 2020

STUDENT SEMINAR TALKS	- <i>U. Florida (Graduate Student Topology seminar):</i> Simply-Connected Surgery	February 2021
	- <i>U. Florida (Graduate Student Topology seminar):</i> L-groups	February 2021
	- <i>U. Florida (Graduate Student Topology seminar):</i> An Informal Introduction to the Surgery Theory	January 2021
	- <i>U. Florida (Graduate Student Topology seminar):</i> An Axiomatic Introduction to the Steenrod Squares	February 2020
	- <i>U. Florida (Graduate Mathematics Association colloquium):</i> LS Category	January 2020
	- <i>U. Florida (Graduate Student Topology seminar, 2 talks):</i> LS Category as the Genus of a Fibration	September 2019
	- <i>U. Florida (Graduate Student Topology seminar):</i> Polygon Space and the Robot Arm	February 2019
	- <i>U. Florida (Graduate Student Topology seminar):</i> Topological Complexity and Configuration Spaces	February 2019
	- <i>U. Florida (Graduate Student Topology seminar, 2 talks):</i> Introduction to Obstruction Theory	September 2018
	- <i>U. Florida (Graduate Mathematics Association colloquium):</i> An Introduction to Inverse Semigroups	March 2018
POSTER PRESENTATIONS	- <i>Joint Math Meetings undergraduate poster session:</i> Injectivity of Homomorphisms between Inverse Semigroups and their Algebras	January 2017
HONORS, AWARDS, AND SCHOLARSHIPS	- U. Florida Graduate School Fellowship ( <b>tuition and stipend</b> )	August 2017 - May 2021
	- U. Florida Mathematics, Kermit Sigmon Award	April 2017
	- U. Florida Mathematics, Robert Long Essay Competition runner up	March 2016
	- Take Stock in Children's Scholarship	August 2013 - May 2017
	- Tampa Bay Times, Barne's Scholarship	August 2013 - May 2017
CONFERENCES ATTENDED	- Young Topologists Meeting, Online	July 2021
	- TopFlavours, Online	June 2021
	- Spring Topology and Dynamics Conference, Online	May 2021
	- Graduate Student Topology and Geometry Conference, Online	April 2021
	- Topological Complexity and Motion Planning CMO-BIRS Workshop, Online	September 2020
	- AMS Sectional Meeting, Gainesville FL	November 2019
	- UF/FSU Topology and Geometry Meeting, Tallahassee FL	February 2019
	- Joint Mathematics Meetings, Atlanta GA	January 2017
SERVICE	- U. Florida Mathematics Department Graduate Committee Member	Aug. - Dec. 2019
	- President of U. Florida Graduate Mathematics Association	Aug. - Dec. 2019
	- Vice President of U. Florida Graduate Mathematics Association	Jan. - Dec. 2019
TEACHING EXPERIENCE	- <i>U. Florida Teaching Assistant:</i> Linear Algebra	Fall 2021
	- <i>U. Florida Teaching Assistant:</i> Analytic Geometry and Calculus 2	Spring 2020
	- <i>U. Florida Teaching Assistant:</i> Linear Algebra	Fall 2019
	- <i>U. Florida Teaching Assistant:</i> Analytic Geometry and Calculus 1	Fall 2019
	- <i>U. Florida Teaching Assistant:</i> Survey of Calculus 1	Spring 2018
	- <i>U. Florida Teaching Assistant:</i> Precalculus, Algebra, and Trigonometry	Fall 2017

PROFESSIONAL EXPERIENCE	- <i>U. Texas at Tyler</i> : Research Experience for Undergraduates in inverse semigroups, Tyler TX Advisor: David Milan	June - July 2016
PROFESSIONAL MEMBERSHIPS	- American Mathematical Society	August 2017-present