Morgan Weiler: Curriculum Vitae

Contact Information

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Employment

Fall 2019-Spring 2021	RTG Lovett Instructor, Mathematics Department, Rice University

Education

May 2019	Ph.D. in Mathematics, University of California, Berkeley thesis advisor: Michael Hutchings
May 2013	B.A. in Mathematics, University of California, Berkeley

Awards and Honors

January 2020	AWM-NSF Travel Grant
Fall 2018, Fall 2017, Fall 2016	UC Berkeley Research Training Group in Geometry and Topology Fellowship
Fall 2015-Spring 2016	Berkeley Connect Fellowship

List of Publications

Research areas: symplectic and contact geometry, dynamics, Floer homology. MSC 37J05, 53D35, 53D40.

1. Morgan Weiler, "Mean action of periodic orbits of area-preserving annulus diffeomorphisms," arXiv:1810.05091, *Journal of Topology and Analysis*, https://doi.org/10.1142/S1793525320500363.

2. Sam Hopkins and Morgan Weiler, "Pattern avoidance in permutations on the Boolean lattice," *Order* 33(2):299-310, 2016.

Invited Talks

1. *June 28-July 2, 2021* Conference in honor of Emmanuel Giroux, Paris, France

2. *June 22-26, 2020* Holomorphic curves and low-dimensional topology, Dubrovnik, Croatia

3. *April 27, 2020* Joint Los Angeles topology seminar, UCLA

4. *April 6-9, 2020* Workshop on Classical and Quantum Aspects of Symplectic Geometry, Nantes, France

5. *March 23, 2020* Georgia Tech Geometry Topology Seminar

6. *March 9, 2020* Rice Topology Seminar

7. *January 15, 2020* AMS-AWM Special Session on Women in Topology, Joint Mathematics Meetings, Denver, CO

8. *November 7, 2019* Stony Brook University Symplectic Geometry Seminar

9. *October 18, 2019* Rio de Janiero Symplectic Seminar

10. *April 17, 2019* UC Berkeley Topology Seminar

11. *April 15, 2019* Stanford University Symplectic Geometry Seminar

12. *February 5, 2019* UC Davis Geometry/Topology Seminar

13. *December 3, 2018* Princeton University/Institute for Advanced Study Symplectic Geometry Seminar

14. *October 25, 2018* University of California, Santa Cruz Geometry & Analysis Seminar

15. *September 10, 2018* Rice Topology Seminar

16. *January 12, 2018* AMS-AWM Special Session: Women in Symplectic and Contact Geometry and Topology, Joint Mathematics Meetings, San Diego, CA

Other Academic Talks

1. *November 7 and 14, 2018* UC Berkeley Contact Geometry Seminar

2. *January and July 2013* REU research talks at the Joint Mathematics Meetings and Permutation Patterns 2013

Professional Activities

- *January 2020* Co-organizer, special session "AMS-AWM Special Session on Women in Symplectic and Contact Geometry," Joint Mathematics Meetings, Denver, CO

- *April 2019* Co-organizer, special session "New Advances in Symplectic and Contact Topology," AWM Research Symposium, Rice University, Houston TX

- *Fall 2019-Spring 2020* Lead faculty organizer, Horizons Colloquium Series at Rice University `https://sites.google.com/view/anmiller/horizons`

Teaching

At Rice University

Spring 2020	Math 501, Topics in Differential Geometry (Riemannian geometry)
Fall 2019	Math 102, Calculus 2

At UC Berkeley

Spring 2018	Math 191, experimental courses in mathematics, "Introduction to mathematical research via knot theory"
Fall 2015-Spring 2016	Graduate student mentor with Berkeley Connect

As a graduate student instructor (teaching assistant)

Spring 2019   Math 110, Linear Algebra
Spring 2017   Math 55, Discrete Mathematics
Summer 2016   Math W53, Multivariable Calculus (online)
Spring 2015   Math 54, Linear Algebra and Differential Equations
Fall 2014   Math 53, Multivariable Calculus
Spring 2014   Math 53, Multivariable Calculus
Fall 2013   Math 16A, Analytic Geometry and Calculus