

James Conway (he/him/his)

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Appointments

Lecturer	2019-2020
RTG Postdoc	2016-2019
University of California, Berkeley	

Education

PhD in Mathematics	2010-2016
Georgia Institute of Technology	
Minor in Computer Science	
Master of Mathematics	2009-2010
University of Cambridge, Graduated with Distinction	
BA in Mathematics	2006-2009
University of Cambridge, Graduated with a First	
Diploma in Modern Languages (Dutch)	2007-2008
University of Cambridge	

Awards

Finalist for CETL/BP Outstanding TA Award , Georgia Institute of Technology	2014
Presidential Scholar , Georgia Institute of Technology	2010-2014

Publications/Accepted Articles

Classification of Tight Contact Structures on Surgeries on the Figure-Eight Knot with Hyunki Min, accepted in <i>Geometry & Topology</i>	arXiv:1901.06066
Contact surgery and symplectic caps with John Etnyre, <i>Bulletin of the LMS</i> , Vol. 52 (2020), Issue 2, 379–394	arXiv:1811.00387
Mazur-type manifolds with L-space boundary with Bülent Tosun, <i>MRL</i> , Vol. 27 (2020), No. 1, 35–42	arXiv:1807.08880
Symplectic fillings, contact surgeries, and Lagrangian disks with John Etnyre and Bülent Tosun, <i>IMRN</i> , rny291, Feb 2019	arXiv:1712.07287
Tight Contact Structures via Admissible Transverse Surgery <i>Journal of Knot Theory and its Ramifications</i> , 28 (2019), no. 4, 1950032	arXiv:1508.00525
Contact Surgeries on the Legendrian Figure-Eight Knot <i>Journal of Symplectic Geometry</i> 17 (2019), no. 4, 1061–1078	arXiv:1610.03943
Overtwisted Positive Contact Surgeries (= section 6 of linked arXiv article), <i>Topology and its Applications</i> 261 (2019), 51–62	arXiv:1409.7077

- Transverse Surgery on Knots in Contact 3-Manifolds** arXiv:1409.7077
Transactions of the AMS, 372 (2019), 1671–1707 (= sections 1-5 of linked arXiv article)
- Planar Contact Manifolds with Vanishing Heegaard Floer Contact Invariants** arXiv:1409.4055
 with Amey Kaloti and Dheeraj Kulkarni, *Topology and its Applications* 212 (2016), 19–28

Teaching

- Instructor of Record**, UC Berkeley 2016-2019
 The Classical Geometries (Fall 2016 & 2017, Spring 2019 & 2020), Introduction to Analysis (Spring 2017), Introduction to Algebra (Fall 2019, Summer 2020), Honors Algebra (Spring 2020), Elementary Algebraic Topology (Spring 2018), Graduate Algebraic Topology I (Fall 2018)
- Instructor of Record**, Georgia Institute of Technology 2012-2016
 Calculus 1 (Spring 2013), Calculus 3 (Summer 2012), Linear/Discrete Math (Fall 2013), OMED Challenge Calculus 1 and 2 (Summer 2014), Linear Algebra (Spring 2016), Differential Equations (Summer 2016)
- Teaching Assistant**, Georgia Institute of Technology 2010-2015
 Calculus 1 (Fall 2010), Calculus 2 (Spring 2011), Calculus 3 (Fall 2011), Linear/Discrete Mathematics (Spring 2012), Algebraic Topology (Fall 2012), Differential Equations (Fall 2013), CETL (Fall 2012), Calculus 3 for CS (Spring 2015), Algebra 1 (Fall 2015), Math Methods of Applied Science 1 (Fall 2015)
- Junior Staff**, Hampshire College Summer Studies in Mathematics Summer 2009

Invited Talks

- Joint LA Topology Seminar April 2019
- Columbia University, topology seminar November 2018
- Binghamton University, topology seminar May 2018
- University of Alabama, topology seminar April 2018
- Northwestern University, topology seminar February 2018
- Caltech, topology seminar May 2017
- UC Davis, topology seminar April 2017
- UC Berkeley, topology seminar February 2017
- Rice University, topology seminar November 2016
- AMS Sectional Meeting, UGA March 2016
- AMS Sectional Meeting, University of Nevada April 2015
- University of Virginia, topology seminar March 2015
- Georgia Tech Topology Conference December 2014
- Louisiana State University, topology seminar October 2014
- University of Georgia, topology seminar September 2014

Activities

Mathematics and Service

Referee for AGT, conference proceedings

Academic Community Committee (committee member), UC Berkeley 2018-2019

Berkeley Topology Seminar (co-organiser), UC Berkeley 2017-2019

Open Book Decompositions Reading Group (organiser/instructor), UC Berkeley 2017

Contact Geometry Reading Group (organiser/instructor), Georgia Institute of Technology 2016

Graduate Student Chapter of AMS (treasurer), Georgia Institute of Technology 2014-2015

Geometry/Topology Seminars (organiser), Georgia Institute of Technology 2013

Contact Geometry Seminar (organiser), Georgia Institute of Technology 2012

Other Activities

Technical and Design Support for the Comprehensive English–Yiddish Dictionary 2011-current

Georgia Tech Symphony Orchestra (viola), Georgia Institute of Technology 2010-2013

Cambridge Graduate Orchestra (viola), University of Cambridge 2009-2010

Orchestra on the Hill (viola, conductor), University of Cambridge 2006-2010

 President 2009-2010

 Strings Manager 2007-2009

Computer Skills

MS Office, Google Docs/Sheets, Python, HTML, Mathematica, LaTeX

Languages

English, Yiddish, Hebrew