

Jason McGibbon

Department of Mathematics
Lederle Graduate Research Tower
University of Massachusetts
710 N. Pleasant Street
Amherst, MA 01003-9305
(413) 545-7702
mcgibbon@math.umass.edu

97 South Main Street
Middlebury, VT 05753
(978) 821-6710
jason.mcgibbon@gmail.com

EDUCATION

2011	Ph.D. in Mathematics, University of Massachusetts Advisor: Michael G. Sullivan
2005	B.S. in Mathematics, University of Massachusetts

EMPLOYMENT HISTORY

2014 – present	University of Massachusetts, Lecturer
2011 – 2014	Massachusetts Institute of Technology, CLE Moore Instructor and RTG Fellow
2006 – 2011	University of Massachusetts, Teaching Associate
2005 – 2006	University of Massachusetts, Teaching Assistant

TEACHING

University of Massachusetts

Fundamental Concepts of Mathematics	Spring 2016
Introduction to Modern Analysis	Spring 2015
Linear Algebra	Fall 2015
Differential Calculus	Fall 2014
Integral Calculus	Fall 2014, Fall 2015
Calculus for Life and Social Sciences I	Spring 2015
Calculus for Life and Social Sciences II	Spring 2016

Massachusetts Institute of Technology

Seminar in Geometry	Fall 2012
Real Analysis	Spring 2014
Multivariable Calculus (as a teaching assistant)	Fall 2011, Fall 2013
Differential equations (as a teaching assistant)	Spring 2012, Spring 2013

University of Massachusetts

Calculus for Life and Social Sciences II	Summer 2007
Differential Calculus	Fall 2006, Fall 2009
Integral Calculus	Spring 2007, Fall 2007, Fall 2010
Multivariable Calculus	Fall 2008, Spring 2009
Linear Algebra	Spring 2010, Spring 2011
Differential Calculus (as a teaching assistant)	Fall 2005
Integral Calculus (as a teaching assistant)	Spring 2006

PAPERS

Transverse string topology and the cord algebra, joint with S. Basu, D. Sullivan and M. Sullivan,
J. Symplectic Geom. 13 (2015), no. 1, 1-16.
Knot contact homology and open strings,
available at scholarworks.umass.edu

AWARDS AND SUPPORT

2011 – 2014	NSF RTG Fellow, partially supported by NSF DMS-0943787, Massachusetts Institute of Technology
2005 – 2011	Graduate Teaching Fellowship, University of Massachusetts
Fall 2009	Residential First Year Experience Student Choice Award, University of Massachusetts
Summer 2008	Summer Research Grant, University of Massachusetts

INVITED TALKS

November 2013	Legendrian contact homology via polyfolds. Geometry and Topology seminar, University of Massachusetts
March 2013	Transverse string topology and knots. 47th Spring Topology and Dynamics Conference, Central Connecticut State
October 2010	Combinatorial knot contact homology and 1-parameter families of knots. AMS Western Sectional Meeting, Special Session on Topology and Symplectic Geometry, Cornell
September 2010	A monodromy invariant in the space of knots. Geometry Topology seminar, Georgia Institute of Technology
August 2010	Monodromy invariants in the space of knots. FRG Workshop: Mathematical 2D-field theory and the algebraic topology of closed manifolds, Stony Brook
October 2009	Monodromy of knot contact homology. Topology et al. Seminar, Wesleyan

DEPARTMENTAL TALKS

March 2016	Go in the age of Google. Undergraduate Math Club, University of Massachusetts
April 2013	Invariants of Legendrians in jet spaces. Symplectic coffee seminar, Massachusetts Institute of Technology
October 2011	Knot contact homology via open strings. Geometry and Topology seminar, Massachusetts Institute of Technology

DEPARTMENTAL SERVICE

University of Massachusetts

Spring 2016	Course chair for a multiple section, 600+ student course
2014 – present	Teaching supervision committee

Massachusetts Institute of Technology

2013 – 2014	Geometry and Topology Seminar co-organizer
-------------	--

University of Massachusetts

2009 – 2011	Graduate Employee Organization steward
March 2009	Prospective student mini-conference, co-organizer
Fall 2008	Graduate Student Topology Seminar, organizer
January 2008	Topology Qualifying Exam, review session leader
Spring 2007	Graduate Student Seminar, organizer

CONFERENCES AND WORKSHOPS ATTENDED

June 2013	<i>D-Days: A Panorama of Geometry</i> , ETH Zurich
May 2013	<i>J-holomorphic Curves in Symplectic Geometry, Topology and Dynamics</i> CRM, Universite de Montreal
August 2012	<i>MIT-RTG Geometry Workshop: the theory and application of polyfolds</i>
October 2010	<i>AMS Western Sectional Meeting, Special Session on Topology and Symplectic Geometry</i>
August 2010	<i>FRG Workshop: Mathematical 2D-field theory and the algebraic topology of closed manifolds</i> , Stony Brook University
May 2009	<i>Georgia International Topology Conference</i> , University of Georgia
January 2009	<i>Knots in Washington XXVII</i> , George Washington University
January 2009	<i>FRG Workshop: Strings, Fields and Topology</i> , University of California Berkeley
August 2008	<i>Holomorphic curves: algebraic structures and geometric application</i> , Stanford University
August 2008	<i>Low dimensional topology</i> , MSRI
June 2008	<i>Knot Concordance Conference</i> , Brandeis University
May 2008	<i>Cornell Topology Festival</i> , Cornell University

REFERENCES

Farshid Hajir - Professor; Department Head
Department of Mathematics and Statistics
Lederle Graduate Research Tower
University of Massachusetts
710 N. Pleasant Street, Amherst MA 01003-9305
(413) 545-0510
hajir@math.umass.edu

Michael Sullivan - Associate Professor; Associate Department Head
Department of Mathematics and Statistics
Lederle Graduate Research Tower
University of Massachusetts
710 N. Pleasant Street, Amherst MA 01003-9305
(413) 545-0510
sullivan@math.umass.edu

Ilona Trousdale - Director of Administration and Staff
Department of Mathematics and Statistics
Lederle Graduate Research Tower
University of Massachusetts
710 N. Pleasant Street, Amherst MA 01003-9305
(413) 545-0823
trousdale@math.umass.edu

Adena Calden - Senior Lecturer
Department of Mathematics and Statistics
Lederle Graduate Research Tower
University of Massachusetts
710 N. Pleasant Street, Amherst, MA 01003-9305
(413) 545-0863
calden@math.umass.edu