

# Haydee Lindo

Curriculum Vitae  
updated: Feb.2018

Bascom House, 33 Stetson Court  
Williamstown, MA 01267  
Haydee.M.Lindo@williams.edu  
Tel: 413 597 2609  
website: <https://sites.williams.edu/lindo/>

- EDUCATION**
- PhD, Mathematics**, University of Utah Aug 2016  
Advisor: Dr. Srikanth Iyengar
- MS, Mathematics**, University of Nebraska - Lincoln 2012
- BA, Mathematics & Political Science**, Williams College 2008  
Cum laude with honours in Mathematics
- Oxford University, (Williams-Exeter Programme at Oxford) 2006-2007
- INTERESTS** Commutative Algebra, Homological Algebra, Representation Theory
- POSITIONS**
- Williams College**, Assistant Professor 2017- Present  
Department of Mathematics & Statistics
- Williams College**, Gaius Charles Bolin Fellow in Mathematics 2015-2017  
Department of Mathematics & Statistics
- PUBLICATIONS**
- Trace ideals and centers of endomorphism rings of modules over commutative rings.** *J. Algebra* 482 (2017), 102–130. 2017
- Formal Fibers of Unique Factorization Domains** 2010  
*Canad. J. Math.* 62 (2010), no. 4, 721–736.  
(with A. Boucher, M. Daub, R. Johnson, H. Lindo, S. Loepp, and P. Woodard)
- Self-injective commutative rings have no nontrivial rigid ideals** (Submitted)
- Trace ideals and the Gorenstein property** (Submitted)  
(with N. Pande)
- Immersions of Surfaces** (In Preparation)  
Expository text on the immersions of 2-dim compact manifolds into  $\mathbb{R}^3$   
being written with Dr. Michael J. Hopkins and other UNL graduate students, based on Dr. Hopkins seminars at UNL 2012-2015
- INVITED TALKS**
- Future:**
- AMS Special Session: Homological Commutative Algebra** Apr 2018  
AMS Sectional Meeting at Northeastern University
- Villanova University** Apr 2018  
Math-Stats Colloquium
- Past:**
- University at Albany, SUNY** Feb 2018  
Algebra/Topology Seminar
- Northeastern University** Feb 2018  
Geometry, Algebra, Singularities and Combinatorics seminar
- NAM's Haynes-Granville-Brown Session of Presentations by Recent Doctoral Recipients** Jan 2018  
Joint Math Meetings 2018, San Diego

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|---|-----------|
| <b>Syracuse University</b><br>"Trace Modules and Rigidity"  | Jan 2018  |
| <b>Conference on Geometric Methods in Representation Theory</b><br>@University of Iowa  | Nov 2018  |
| <b>SACNAS 2017</b><br>"Trace Ideals and Rigidity"   | Oct 2017  |
| <b>Williams College Faculty Seminar</b><br>"Counting Klein Bottles"   | Sept 2017 |
| <b>Maurice Auslander International Conference</b><br>"Trace Ideals and Rigidity"  | Apr 2017  |
| <b>Special Session on Commutative Algebra</b> at the 2017 Association<br>for Women in Mathematics (AWM) Research Symposium, UCLA                                    | Apr 2017  |
| <b>Special Session on Commutative Algebra</b><br>at the AMS Sectional Meeting, College of Charleston  | Mar 2017  |
| <b>Williams College</b> , Williamstown, MA<br>"Trace Ideals and Endomorphism Rings"   | Jan 2017  |
| <b>Amherst College</b> , Amherst, MA<br>"Is the Klein Bottle the Only Klein Bottle?"  | Jan 2017  |
| <b>Lawrence University</b> , Appleton, WI<br>"Is the Klein Bottle the Only Klein Bottle?"   | Jan 2017  |
| <b>University of Wisconsin-Superior</b> , Superior, WI<br>"Trace Ideals and Endomorphism Rings"   | Jan 2017  |
| <b>University of Richmond</b> , Richmond, VA<br>"Trace Ideals and Endomorphism Rings"   | Jan 2017  |
| <b>Joint Math Meetings</b> , Atlanta, GA (contributed talk)<br>"Trace ideals of modules and algebras over commutative rings"  | Jan 2017  |
| <b>Union College Math Conference</b> , Schenectady, New York<br>"Trace ideals and endomorphism rings"   | Dec 2016  |
| <b>University of Nebraska-Lincoln</b> , Commutative Algebra Seminar<br>"Centers of endomorphism rings and endomorphism rings of trace ideals"                       | Oct 2016  |
| <b>Adelphi University</b> , Math Colloquium<br>"Into the Unknown: A look at commuting matrices"   | Sept 2016 |
| <b>International Conference on Representations of Algebras</b><br>Syracuse University, "Trace ideals and the centers of endomorphism rings"                         | Aug 2016  |
| <b>AMS special session on Commutative Algebra</b><br>University of Utah, "Centers of endomorphism rings of modules"   | Apr 2016  |
| <b>University of Michigan</b> , Commutative Algebra Seminar<br>"Centers of endomorphism rings of modules"   | Mar 2016  |
| <b>Williams College</b> , Faculty Seminar<br>"Trace ideals and the centers of endomorphism rings"   | Mar 2016  |
| <b>AMS-AWM Special Session on Commutative Algebra<br/>and Its Interactions with Algebraic Geometry</b> , JMMs Seattle<br>"Centers of endomorphism rings of modules" | Jan 2016  |

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	<b>Syracuse University</b> , Commutative Algebra Seminar “Trace ideals & the centers of endomorphism rings of modules”	Nov 2015
	<b>KUMUNU Jr</b> , University of Nebraska-Lincoln “Free Resolutions and Sparse Determinantal Ideals” co-delivered with Kat Shultis based (with permission) on a paper by Adam Booher of the same name	2013
<b>AWARDS</b>	<b>Gaius Charles Bolin Dissertation Fellowship</b> , Williams College 2-year in-residence pre- and post-doctoral fellowship with a focus on dissertation support and future-faculty training	2015-2017
	<b>Bill-Leavitt Emeritus Faculty Fellowship</b> , UNL In recognition of excellence in academics	2013-2014
	<b>Othmer Fellowship</b> , UNL UNL fellowship for recruiting exceptional scholars seeking terminal degrees	2010-2013
	<b>Outstanding Qualifying Exam</b> , UNL For top performance on the 2011 qualifying exams (Analysis & Algebra)	2011
	<b>Class of 1957 Scholar</b> , Williams College For students who successfully combined campus leadership with academic achievement	2008
<b>TEACHING</b>	<b>University Courses</b> as instructor of record	2012-Present
	<b>Calculus II</b> , Williams College	Fall 2017
	<b>Calculus I</b> , Williams College	Spring 2017
	<b>Homological Algebra</b> , Williams College	Spring 2016
	<b>Calculus I</b> , University of Utah	Fall 2014
	<b>Differential Equations</b> , University of Nebraska	Spring 2014
	<b>Analytic Geometry and Calculus III</b> , University of Nebraska	Fall 2013
	<b>College Algebra</b> , University of Nebraska	Fall 2011, 2012-2013
	<b>Contemporary Mathematics</b> , University of Nebraska	Spring 2012
	<b>NebraskaMath</b> , Teaching Assistant NSF-funded project providing professional development for primary and high-school mathematics teachers	Spring 2011, Sum 2011, 2012, 2014
<b>ADVISING</b>	<b>Faculty Advisor for an Undergraduate Thesis</b> Nina Pande, Williams College	2016-2017
<b>OTHER EXPERIENCE</b>	<b>Curriculum Development &amp; Course Design</b> , UNL Served on redesign team for UNL’s pre-Calculus Math courses: Drafting lesson plans, designing a “Gateway Exam” and adapting College Algebra (Math101) to a new text book	Fall 2012 -Sum 2013
	<b>Associate Consultant</b> , Bain & Company Inc, Boston, MA Process Optimization, Org Restructuring, Strategy and Market Analysis with a focus on Mergers and Acquisitions	2008 - 2010

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## **SERVICE & OUTREACH**

<b>Commutative Algebra Seminar</b> , Williams	Fall 2017 - Present
<b>Association for Women in Mathematics</b> , Faculty advisor, Williams	2015-2017
<b>Commutative Algebra Graduate Seminar</b> , UU, Cofounder	2015-2016
<b>NE Conference for undergraduate Women in Math</b> , Co-organizer	2014
<b>Commutative Algebra Research Seminar</b> , UNL, Co-organizer	2013-2014