

# Donald Matthew Larson

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## Current Position

2013–2016 *Visiting Assistant Professor of Mathematics*, Penn State University, Altoona.

## Education

2009–2013 PhD in Mathematics, University of Rochester, 2013, advised by Douglas Ravenel.

2002–2006 MA in Mathematics, UCLA, 2003. [Left PhD program for family reasons in 2006.]

1996–2000 BA with High Honors in Mathematics, College of the Holy Cross, 2000.

## Papers

*Explicit modular forms and the beta family*, in preparation.

*On the Bousfield-Kan spectral sequence for  $Q(2)_{(3)}$* , submitted. [[arXiv:1507.02650](https://arxiv.org/abs/1507.02650)]

*The Adams-Novikov  $E_2$ -term for Behrens' spectrum  $Q(2)$  at the prime 3*, Journal of Pure and Applied Algebra 219 (2015), pp. 4681–4707. [[arXiv:1407.3423](https://arxiv.org/abs/1407.3423)]

## Invited Talks

2015 CUNY Graduate Center Topology Seminar, October.  
Notre Dame Topology Seminar, October.  
Kalamazoo College Undergraduate Colloquium, October.

2014 Johns Hopkins University Topology Seminar, April.  
University of Louisiana at Lafayette Topology Seminar, March.  
Special Session on Homotopy Theory, Joint Mathematics Meetings, January.

2013 University of Chicago Algebraic Topology Seminar, June.  
Wesleyan University Topology Seminar, March.  
University of Virginia Topology Seminar, January.

2012 University of Rochester Topology Seminar, April.  
Indiana University Graduate Student Topology Conference, March.

## Awards

- 2014–2015 Project NExT Fellow.
- 2013 Outstanding Graduate Teaching Award, University of Rochester.
- 2011–2013 Dean’s Teaching Fellowship, University of Rochester.

## Teaching

- 2013–2016 Penn State Altoona, as sole instructor: Calculus I, Calculus II, Techniques of Calculus, Precalculus, College Algebra, Finite Mathematics, General View of Mathematics.
- 2009–2013 U. of Rochester, as sole instructor: Linear Algebra, Accelerated Calculus I, Accelerated Calculus II, Calculus I, Calculus II. As teaching assistant: Graduate Algebraic Topology, Abstract Algebra, Multivariable Calculus, Honors Point Set Topology, Calculus I.
- 2003, 2006 Johns Hopkins Center for Talented Youth summer program, as sole instructor: Math Problem Solving, Inductive and Deductive Reasoning.
- 2002–2006 UCLA, as teaching assistant: Abstract Algebra, Linear Algebra, History of Mathematics, Calculus I, Finite Mathematics, Introduction to Programming in C++.

## Service

- Reviewer for Zentralblatt Math.
- Judge for MAA Undergraduate Poster Session, JMM in San Antonio, TX, January 2015.
- Organizer of Penn State Altoona Topology Seminar, 2014–2016.
- Referee for *Forum Mathematicum*.
- Organizer of several seminars on homotopy theory, University of Rochester, 2011–2013.
- Official note-taker for Kervaire invariant workshop, MSRI, October 2010.

## Other professional experience

- 2006–2009 Mathematics Editor and Writer at WH Freeman.
- 2000–2002 Consultant for Accenture, Inc.

## References

- Mark Behrens, John and Margaret McAndrews Chair & Professor, Notre Dame.
- Martin Bendersky, Professor of Mathematics, Hunter College & CUNY Graduate Center.
- Juan Gil, Professor of Mathematics, Penn State Altoona (teaching).
- Mark Johnson, Professor of Mathematics, Penn State Altoona (teaching & research).
- Douglas Ravenel, Fayerweather Professor of Mathematics, University of Rochester.