# VITA
# LINDSAY A. ERICKSON

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## DEGREES:

**North Dakota State University**
Ph.D. Mathematics: August 2011
Subject: Graph Theory
Advisor: Warren Shreve
Dissertation Title: The Game of Nim on Graphs

**North Dakota State University**
B.A. Mathematics, May 2006.

## EMPLOYMENT:

**North Dakota State University**
Visiting Professor
*August 2011-present.*

**STEM Center, West Fargo Public Schools**
Project Specialist
*March 2011-June 2011.*

**North Dakota State University**
Mathematics Department Research Fellow
*August 2010-August 2011.*

**Alfred Renyi Institute, Budapest, Hungary**
National Science Foundation, Institute of International Education
Mathematics Research Fellow
*June 2010-August 2010.*

**North Dakota State University**
Mathematics Department Teaching Fellow
*August 2009-May 2010.*

**North Dakota State University**
National Science Foundation GK-12 Program

North Dakota State University GraSUS Fellow
*August 2006-July 2007, August 2008-July 2009.*

**North Dakota State University**
Mathematics Department Teaching Assistant
*August 2007-May 2008.*

**North Dakota State University**
Tutor, Department of Mathematics
*August 2004-August 2006.*

## RESEARCH AND PUBLICATIONS:

1. *Nim on the Complete Graph*, accepted for publication, Ars Combinatoria - November 2009.
2. *Nim on the Complete Graph with Arbitrary Weight*, in progress.
3. *Nim on the Hypercube with Unit Weight*, in preparation. Joint work with Warren Shreve (North Dakota State University).
4. *Nim on the Petersen Graph*, in preparation. Joint work with Warren Shreve (North Dakota State University).

## TALKS/LECTURES:

1. *Nim on hypercubes*, March 2011, Contributed Paper Session, American Mathematics Society Sectional Meetings, Iowa City, Iowa.
2. *Nim on hypercubes*, March 2011, $42^{nd}$ International Conference in Combinatorics, Graph Theory, and Computing, Boca Raton, Florida.
3. *A Nim-type game Played on Graphs*, January 2011, Contributed Paper Session, Joint Mathematics Meetings, New Orleans, Louisiana.
4. *Nim and Graduate Life*, November 2010, Colloquium Lecture, Morningside College, Sioux City, Iowa.
5. *The Game of Nim on Graphs*, September 2010, Colloquium Lecture, Concordia College, Moorhead, Minnesota.
6. *The Game of Nim on Graphs*, July 2010, Seminar Lecture, Alfred Renyi Institute, Budapest, Hungary.
7. *Nim on the Complete Graph*, March 2010, $41^{st}$ International Conference in Combinatorics, Graph Theory, and Computing, Boca Raton, Florida.
8. *Nim on Graphs*, March 2010, Colloquium Talk, NDSU.
9. *The Game of Nim*, November 2009, Math Club Talk, NDSU.
10. *Mathematics at Horizon* April 2009, Graduate Student Research and Arts Forum Poster Presentation, NDSU.
11. *Nim on Graphs*, March 2009, Graduate Student Combinatorics Conference, Lexington, Kentucky.
12. *Mathematics at Horizon* February 2009, GraSUS Poster Presentation, NDSU.
13. *Mathematics at West Fargo High, Geometry Bridge Project*, February 2006, Poster Presentation, NDSU.

## COURSES TAUGHT:
1. Instructor - Calculus III - Fall 2011
2. Instructor - Calculus II - Fall 2011.
3. Instructor - College Algebra - Fall 2009, Summer 2008.
4. Instructor - Finite Mathematics - Spring 2010, Spring 2008, Fall 2007.
5. Teaching Assistant - Trigonometry - Fall 2007.
6. GK-12 Teaching Fellow - Eighth Grade Math, Geometry - Fall 2008, Spring 2009.
7. GK-12 Teaching Fellow - Pre-Algebra, Geometry - Fall 2006, Spring 2007.
8. GK-12 Teaching Fellow - Geometry, Algebra II - Fall 2005, Spring 2006.

## GRADING EXPERIENCE:
1. Graph Theory under Dr. Warren Shreve.
2. Combinatorics under Dr. Warren Shreve.
3. Calculus III under Dr. Martin Juras.
4. Introduction to Abstract Mathematics under Dr. Friedrich Littman.
5. Calculus II under Richard Hasenhauer

## UNIVERSITY SERVICE:
1. Faculty Search Committee. Department of Mathematics - 2010-2011.
2. University President appointed Listening Group Member - Fall 2010.
3. Lecturer Search Committee. Department of Mathematics - Spring 2010.
4. Panel member at the NDSU general Graduate Student Orientation - August 2010, August 2009.
5. Orientation leader for the NDSU general Graduate Student Orientation - August 2010, August 2009.
6. Minute taker for the Executive Council of the Faculty Senate - since December 2009
7. Secretary of the University-wide Graduate Student Association - since October 2008
8. Speaker at Department of Mathematics T.A. Training - Summer 2010, Summer 2009, Summer 2008.

## OUTREACH:
1. STEM Enrichment Summer course for 8-10 year-olds - Summer 2011, Summer 2009.
2. Math Fair Workshop at Longfellow Elementary School - Spring 2008, Spring 2007.
3. Expanding Your Horizons Speaker - April 2009, April 2008, April 2007.
4. Referee for *International Journal of Computer Mathematics* - Summer 2007.
5. Referee for *Journal of Combinatorial Mathematics and Combinatorial Computing* - Summer 2007.
6. Referee for *Discrete Applied Mathematics* - Summer 2007.
7. Math-In Tutor - Spring 2008, Spring 2007, Fall 2007, Spring 2006, Fall 2005, Spring 2005, Fall 2004.
8. Sonja Kovalevsky Day Volunteer - Fall 2007.

## CONFERENCES ATTENDED:
2011   − AMS Central Section Meeting. Iowa City, Iowa. March 19-20.

 – International Conference in Combinatorics, Graph Theory, and Computing. Boca Raton, Florida. March 7-11.
 – Joint Mathematics Meetings. New Orleans, Louisiana. January 5-9.

2010 – Conference in honor of the $70^{th}$ birthday of Endré Szemerédi. Budapest, Hungary. August 2-6.
 – Emlektabla Workshop, working conference for combinatorics. Budapest, Hungary. July 26-29.
 – Budapest Semesters in Mathematics, reunion conference. Budapest, Hungary. June 23-25.
 – AMS Central Section Meeting. St. Paul, Minnesota. April 10-11
 – International Conference in Combinatorics, Graph Theory, and Computing. Boca Raton, Florida. March 8-12.

2009 – Graduate Student Combinatorics Conference. Lexington, Kentucky. March 27-29.

2008 – North Dakota Curriculum Initiative Conference. Bismarck, North Dakota. July 26-27.

2007 – Graduate Student Combinatorics Conference. Seattle, Washington. April 20-22.

2006 – Nebraska Conference for Undergraduate Women in Mathematics. Lincoln, Nebraska. February 3-5.

## MEMBERSHIPS:

1. Mathematical Association of America
2. American Mathematical Society
3. Association of Women in Mathematics
4. Phi Kappa Phi Honor Fraternity

## HONORS AND AWARDS:

1. NDSU College of Science and Mathematics Graduate Student Research Award - Spring 2011
2. AMS Travel Grant Recipient - January 2011
3. NDSU Graduate School Dissertation Research Fellowship - May 2010-present.
4. NDSU Department of Mathematics Research Award - May 2010.
5. NSF, IIE, and DAAD Central European Summer Research Institute Fellowship - April 2010.
6. Research, Creative Activities and Technology Transfer Non-Faculty Travel Award - February 2010.
7. NDSU Department of Mathematics Teaching Fellowship - August 2009-May 2010.
8. NDSU College of Science and Mathematics Graduate Student Teaching Award - Spring 2008.
9. NSF GK-12 Grant, N.D.S.U. GraSUS Graduate Fellow - August 2008, August 2006, August 2005.
10. Lillian Goettler Space Grant, North Dakota Space Grant Consortium - Spring 2006.
11. Mathilda B. Thompson Grant, Phi Kappa Phi - Spring 2006