

MEGAN E. HEENEHAN

CURRICULUM VITAE

Department of Mathematics & Computer Science
Wesleyan University, Middletown, CT 06459
Website: mheenehan.web.wesleyan.edu

Tel: (978) 360-4814
Fax: (860) 685-2571
e-mail: mheenehan@wesleyan.edu

EDUCATION

- Wesleyan University**, Middletown, CT Sept. 2008-present
- Ph.D Candidate, Mathematics Expected Graduation: May 2013
 - Advisor: Karen L. Collins
- Smith College**, Northampton, MA Sept. 2007-May 2008
- Post Baccalaureate Student at the Center for Women in Mathematics
- Wellesley College**, Wellesley, MA Sept. 2000-May 2003
- B. A. (Magna Cum Laude) in Mathematics
-

RESEARCH INTERESTS

Graph Theory, Graph Immersions and Graph Coloring
Dissertation Title: Chromatic Number and Immersions of Complete Graphs

TEACHING EXPERIENCE

- Instructor**, Wesleyan University, Middletown, CT Fall 2012, 2011, 2010, Spring 2010
- Calculus I, Graduate Pedagogy, Calculus II, Calculus I
- Graduate Teaching Assistant**, Wesleyan University, Middletown, CT Sept. 2008-present
- Calculus II, Abstract Algebra, Discrete Mathematics, Elementary Statistics, Multi-Variable Calculus
- Math Teacher**, St. Thomas Aquinas High School, Dover, NH Sept. 2003-June 2005
- Algebra I, Algebra II, Honors Geometry, Pre-Calculus, The Mathematics of Games
 - Math Team Advisor
-

PROFESSIONAL ACTIVITIES

Publications

- *Constructing graphs with no immersion of large complete graphs*, Karen L. Collins and Megan E. Heenehan, submitted.

Conference/Seminar Presentations

- *Constructing Graphs with No Immersion of Large Complete Graphs*, NES/MAA Fall 2012 Section Meeting, Bridgewater State University, Bridgewater, MA, Nov. 2012
- *Constructing Graphs with No Immersion of K_d* , Women In Mathematics In New England 2012, Smith College, Northampton, MA, Sept. 2012
- *Facebook Friends and Graphs: Are We All Connected?*, Senior Seminar, Sacred Heart University, Fairfield, CT, Sept. 2012
- *Graphs in Facebook Friendships: How Connected are We?*, Great Talks for a General Audience: Coached Presentations by Graduate Students, MAA MathFest, Madison, WI, Aug. 2012
- *Immersion of Complete Graphs in Graphs with Minimum Degree $d - 1$* , SIAM Conference on Discrete Mathematics, Dalhousie University, Halifax, Nova Scotia, Canada, June 2012
- *Hidden Graphs in Facebook Friendships*, Math Lunch Talk Series, Smith College, Northampton, MA, March 2012
- *Graph Immersions and Minimum Degree*, Topology et al. Seminar, Wesleyan University, Middletown, CT, Dec. 2011
- *Chromatic Number and Graph Immersion*, NES/MAA Sectional Meeting, Connecticut College, New London, CT, Nov. 2011
- *Coloring Maps*, Graduate Student Seminar, Wesleyan University, Middletown, CT, March 2011
- *Graph Coloring and Immersions of Complete Graphs*, Topology et al. Seminar, Wesleyan University, Middletown, CT, Nov. 2010
- *Graph Immersions and Complete Graphs*, SMath, Smith College, Northampton, MA, Sept. 2010
- *Exploring the Relationship between Chromatic Number and Crossing Number of a Graph*, Graduate Student Seminar, Wesleyan University, Middletown, CT, March 2010

Workshops Attended

- *What's the Story? A Graduate Student Workshop on Creating a Research Presentation for Undergraduates*, MAA MathFest, Madison, WI, Aug. 2012
- *Career Mentoring Workshop for Women*, Wheaton College, Norton, MA, June 2012
- *The Fields Institute Summer School, The Mathematics of Constraint Satisfaction*, The Fields Institute, Toronto, Ontario, Canada, June 2011

Seminars Organized

- *Graduate Student Seminar*, Organizer, Wesleyan University, Middletown, CT Jan. 2010-Sept. 2011

Selected Conferences Attended

- *NES/MAA Fall 2012 Section Meeting*, Bridgewater State University, Bridgewater, MA, Nov. 2012
- *Women In Mathematics in New England 2012*, Smith College, Northampton, MA, Sept. 2012
- *MAA MathFest 2012*, Madison, WI, Aug. 2012
- *SIAM Conference on Discrete Mathematics*, Dalhousie University, Halifax, Nova Scotia, Canada, June 2012
- *Joint Mathematics Meeting*, Boston, MA, Jan. 2012
- *NES/MAA Sectional Meeting*, Connecticut College, New London, CT, Nov. 2011
- *40 Years and Counting: AWM's Celebration of Women in Mathematics*, Brown University, Providence, RI, Sept. 2011

- *SMath/Women in Mathematics in New England*, Smith College, Northampton, MA, Sept. 2010
 - *CoNE Revisited, Celebrating the Inspirations of Michael O. Albertson*, Smith College, Northampton, MA, March 2010
-

GRANTS and HONORS

- MAA Student Travel Grant to attend MathFest 2012, Madison, WI, Aug. 2012
 - SIAM Student Travel Award to attend the 2012 SIAM Conference on Discrete Mathematics, Dalhousie University, Halifax, Nova Scotia, Canada, June 2012
 - Selected to teach Graduate Pedagogy. Taught pedagogy techniques to fellow graduate students. Wesleyan University, Middletown, CT, Fall 2011
 - Fields Institute Summer Program Funding for the Summer Thematic Program on the Mathematics of Constraint Satisfaction, Toronto, Canada, June 2011
 - Martha Davenport Heard Department Prize for achievement in Mathematics and contributions to the life of the department, Wellesley College, Wellesley, MA, May 2003
-

SERVICE

- **Treasurer**, Graduate Student Association, Wesleyan University, Middletown, CT, Sept. 2011-present
 - **Chairperson**, Graduate Judicial Board, Wesleyan University, Middletown, CT, Sept. 2010-May 2011
 - **Panelist**, *Applying to Graduate School*, Conference for Women in Mathematics in New England, Smith College, Northampton, MA, Sept. 2009
-

PEDAGOGICAL TRAINING

- **Pedagogy Seminar**, Wesleyan University, Middletown, CT
 - **Massachusetts Educators License**, Certified Teacher of Mathematics, Grades 8-12
-

WORK EXPERIENCE

McDOUGAL LITTEL, Boston, MA

Oct. 2005-April 2007

Editor

- Responsible for developing multiple chapters for middle school and high school math textbooks including editing, researching mathematical applications, writing, and working cooperatively with design, production, and electronic production departments, as well as outside vendors.
 - Wrote and edited student activities and teacher's notes for technology products and teacher's editions.
 - Created correlations to state standards.
-

MEMBERSHIPS

- The American Mathematical Society
- The Association for Women in Mathematics
- The Mathematical Association of America
- Society for Industrial and Applied Mathematics

REFERENCES

- Dr. Karen L. Collins
(860) 685-2169
kcollins@wesleyan.edu
- Dr. Mark Hovey
(860) 685-2196
mhovey@wesleyan.edu
- Dr. Daniel Krizanc
(860) 685-2186
dkrizanc@wesleyan.edu
- Dr. Constance Leidy (Teaching)
(860) 685-5788
cleidy@wesleyan.edu
- Dr. David Pollack (Teaching)
(860) 685-4741
dpollack@wesleyan.edu

Mailing address for all references is:

Department of Mathematics & Computer Science
Wesleyan University
265 Church Street
Middletown, CT, 06459-0128