Jessica C. Dyer

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Education

2011–Present **University of Illinios, Chicago (UIC)**, *Chicago, IL, USA*,
Ph.D. Candidate, Mathematics,
Degree Expected: Spring 2015.
Doctoral Thesis Title: "Bratteli Diagrams for Weak Solenoids"
Advisor: Professor Steve Hurder

2009–2011 **University of Illinios, Chicago (UIC)**, *Chicago, IL, USA*,
MS, Mathematics.

2008–2009 **University of Cambridge**, *Cambridge, United Kingdom*,
Master of Advanced Study (M.A.St.) in Mathematics,
a.k.a. "Part III of the Mathematical Tripos",
Department of Pure Mathematics and Mathematical Statistics (DPMMS).

2003–2007 **University of California at Santa Barbara**, *Santa Barbara, California, USA*,
B.S. Mathematics, Minor in Linguistics.
High Honors.

Awards and Honors

Apr 27, 2012 **TA Teaching Award**, *University of Illinois, Chicago*,
Dept of Mathematics, Statistics, and Computer Science.

2006 **Member Phi Beta Kappa Honors Society**.

2003-2007 **National Merit Scholar**.

2003 **AP National Scholar**.

2002 **AP Scholar With Distinction**.

Publications

J. Dyer, S. Hurder, and O. Lukina,
"Bratteli diagrams and dynamics in weak solenoids", In Preparation.

Teaching

2014 **Instructor/Lecturer**, *University of Illinios, Chicago*,
Taught Writing for Mathematics (Fall 2014).
Responsible for syllabus, lectures, homework, projects, and final grades.

2013–2014 **Instructor/Lecturer**, *University of Illinios, Chicago*,
Taught Calculus III (Fall 2013 and Spring 2014).
Responsible for syllabus, lectures, homework, and final grades. Collaborated on writing common midterms and final exams.

2012–2013 **Emerging Scholars Program Instructor**, *University of Illinios, Chicago* ,
Taught Calculus I and II Emerging Scholars Workshops.
Responsible for syllabus, lectures, group work, and grades.

2010-2011 **Summer Enrichment Program Instructor**, *University of Illinios, Chicago* ,
Taught Beginning and Intermediate Algebra.
Responsible for lectures, group work, and final grades.

2009–2012	**Teaching Assistant**, *University of Illinios, Chicago*, Calculus I, Calculus II, Mathematical Reasoning. Responsible for leading discussion sections and writing and grading quizzes.
2005–2008	**Tutoring Center Instructor**, *Campus Learning Assistive Services*, University of California, Santa Barbara. Taught classes in Calculus I and II and Calculus For Social Sciences, and did individual and group tutoring in undergraduate math.
2007	**Upward Bound Teacher**, *University of California, Santa Barbara*, Taught Algebra II for high school students (Summer 2007), Responsible for syllabus, lectures, homework, and final grades.

Service

2012-2015	**Association for Women in Math (AWM)**, *UIC Chapter*, Organizational committee co-chair.
Apr 5, 2014	**Midwest Women in Math Symposium**, *University of Notre Dame*, Chair of Dynamical Systems Session.
March 6, 2014	**Graduate Teaching of Mathematics Seminar**, *University of Illinois, Chicago*, Invited talk about teaching methods in Calculus III.
Spring 2013	**Graduate Student Colloquium**, *University of Illinois, Chicago*, Co-organizer.
2010, 2014	**Graduate Student Mentor**, *University of Illinois, Chicago*, Mentor to incoming graduate students.
2012 and 2013	**Chicago Area Undergraduate Research Symposium**, *Judge for poster session.*

Research

March 7, 2015	**Midwest Women in Math Symposium**, *Dominican University*, Contributed Talk: "Almost Normal Group Chains".
Jan 12, 2015	**Joint Mathematics Meetings**, *San Antonio, Texas*, Poster Presentation: "Bratteli Diagrams for Weak Solenoids".
Nov 8, 2014	**Midwest Dynamical Systems Meeting**, *University of Michigan, Ann Arbor*, Poster Presentation: "Bratteli Diagrams for Weak Solenoids".
Jul 24, 2014	**29th Summer Conference on Topology and its Applications**, *College of Staten Island, NY*, Invited talk: "Bratteli Diagrams for Weak Solenoids".
Apr 20, 2013	**Midwest Women in Math Symposium**, *University of Illinios, Chicago*, Contributed Talk: "Substitutions, Bratelli Diagrams, and Dynamics".

Seminars at University of Illinois, Chicago

2014-2015	**Smooth Dynamics Seminar**.
2011–2015	**Geometry, Topology, Dynamics Seminar**.
2013–2015	**Working Dynamics Seminar**.
2012–2013	**Dynamics Seminar**.
2011–2013	**Graduate Geometry, Topology, Dynamics Seminar**.

Languages

Spanish	**Fluent Speaking, Reading**
French	**Speaking, Reading**