

Contact	<p>Email: emilyss2@illinois.edu Directory Page: https://math.illinois.edu/directory/profile/emilyss2 Website: https://sites.google.com/illinois.edu/emilyss2</p>
Education	<p>University of Illinois at Urbana-Champaign Ph.D., Mathematics, expected 2023, advisor: Chris Leininger M.S., Mathematics, 2018</p>
Research Interests	<p>Low dimensional topology and geometric group theory. Specifically, rigidity of simplicial complexes associated to surfaces, such as the curve complex and the arc complex.</p>
Publications	<p>Finite Rigid Sets in Flip Graphs <i>In preparation</i></p> <p>Finite Rigid Sets in Arc Complexes <i>To appear in Algebraic & Geometric Topology</i> arXiv:1909.08762</p>
Invited Talks	<p>AMS Fall Southeastern Sectional Meeting <i>Special Session on “Interactions between algebra, geometry and topology in low dimensions”</i> University of Tennessee at Chattanooga October 2020</p>
Other Talks	<p>Graduate Student Topology and Geometry Conference 2020 Indiana University Bloomington April 2020, <i>cancelled</i></p> <p>2020 Eastern Illinois Integrated Conference in Geometry, Dynamics, and Topology Eastern Illinois University March 2020, <i>cancelled</i></p> <p>AWM Mini-Symposium University of Illinois at Urbana-Champaign <i>Rigidity and the Arc Complex</i>, February 2020</p> <p>Tech Topology Conference Georgia Institute of Technology <i>Finite Rigid Sets in the Arc Complex</i>, December 2019</p> <p>GEAR Seminar University of Illinois at Urbana-Champaign <i>Finite Rigid Sets in Arc Complexes</i>, September 26, 2019</p>

Awards & Fellowships

Dr. Lois M. Lackner Mathematics Fellowship

University of Illinois at Urbana-Champaign, AY 2020-2021

Graduate Assistance in Areas of National Need (GAANN) Fellowship

University of Illinois at Urbana-Champaign, Fall 2018

Teaching

University of Illinois at Urbana-Champaign

Head Teaching Assistant, Applied Linear Algebra, Spring 2020

Teaching Assistant, Preparation for Calculus, Fall 2019†

Teaching Assistant, Calculus II, Fall 2018*

Head Teaching Assistant, Calculus II, Spring 2018*

Teaching Assistant, Calculus II, Fall 2017*

Teaching Assistant, Calculus III, Spring 2017*

Teaching Assistant, Calculus II, Fall 2016*

*Top 10% of student course evaluations for TAs campuswide

†Part of Merit Program for Emerging Scholars

Summer Illinois Mathematics Camp

University of Illinois at Urbana-Champaign

Instructor, Maximize Your Winnings (Game Theory), Summer 2018

Northwestern High School

Springfield, Ohio

Student Teacher, Algebra I, Advanced Geometry, Spring 2016

Kosovo Leadership Academy

Mitrovica, Kosovo

Volunteer Teacher, Newton and Physics, May 2015

Service

Illinois Student Chapter of the Association for Women in Mathematics

President, Summer 2018—Spring 2020

Secretary, Summer 2017—Spring 2018

Volunteer, Sonia Math Day, Fall 2017, Fall 2018, Spring 2019

Volunteer, Getting Engaged in Math and Science (GEMS) Workshop, Spring 2018, Spring 2019

Illinois Geometry Lab

Volunteer, Gathering for Gardner Math Carnival, January 2017

Volunteer, Science at the Market, Fall 2016

Center for Innovation in Teaching and Learning

Microteaching Facilitator, Graduate Academy for College Teaching, August 2018

Small Group Session Instructor, Graduate Academy for College Teaching, August 2019

GROW Conference

University of Illinois at Urbana-Champaign, October 2019

AWM Student Chapter Co-organizer