## Heather C. Smith

Davidson College
Department of Mathematics
& Computer Science
Davidson, NC 28035
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heatherchristinasmith.com

With a wide range of interests, two themes of my research in discrete mathematics are: (1) Discrete mathematical biology, including computational complexity of genome rearrangement nodels and interdisciplinary research on bacterial typing; (2) Combinatorics of partially ordered sets, including dimension and saturation.

#### Education

			_	
Aug.	2010-	Ph.D.	in	Mathematics

Aug. 2015 University of South Carolina, Columbia, SC

Dissertation: Trees, Partitions, and Other Combinatorial Structures

Advisor: László Székely

Aug. 2008- M.S. in Mathematics

May 2010 Virginia Commonwealth University, Richmond, VA

Thesis: Zero Divisors among Digraphs

Advisor: Richard Hammack

Aug. 2005- B.A. in Mathematics and B.A. in Adolescence Education

May 2008 Houghton College, Houghton, NY

Summa Cum Laude

#### Academic Positions

Fall 2018 - Assistant Professor

present Department of Mathematics and Computer Science, Davidson College, Davidson, NC

Fall 2015- IMPACT Postdoctoral Fellow

Spring 2018 School of Mathematics, Georgia Institute of Technology, Atlanta, GA

Fall 2014- Dean's Doctoral Dissertation Fellow

Spring 2015 1 of 10 awarded by the College of Arts and Sciences, University of South Carolina, Columbia, SC

Fall 2010 - Graduate Teaching Assistant

Spring 2014 Department of Mathematics, University of South Carolina, Columbia, SC

Summer 2010 Adjunct Instructor

Department of Mathematics, Virginia Commonwealth University, Richmond, VA

Fall 2008- Graduate Teaching Assistant

Spring 2010 Department of Mathematics, Virginia Commonwealth University, Richmond, VA

#### Publications

#### In print

- M. Ferrara, D. Johnston, S. Loeb, F. Pfender, A. Schulte, H. C. Smith, E. Sullivan, M. Tait, C. Tompkins. "On edge-colored saturation problems," *To appear*. Preprint at arXiv:1712.00163 [math.CO].
- 12. F. Barrera-Cruz, T. Prag, H. C. Smith, L. Taylor, W. T. Trotter. "Comparing Dusknik-Miller dimension, Boolean dimension, and local dimension," *Accepted for publication*. Preprint at arXiv:1710.09467 [math.CO].
- 11. F. Barrera-Cruz, R. Garcia, P. Harris, B. Kubik, H. C. Smith, S. Talbott, L. Taylor, and W. T. Trotter. "The graph of critical pairs of a crown," *Order.* (2019) *In press.* https://doi.org/10.1007/s11083-019-09485-4

- 10. F. Barrera-Cruz, S. Felsner, T. Mészáros, P. Micek, H. C. Smith, L. Taylor, and W. T. Trotter. "Separating tree-chromatic number from path-chromatic number," *Journal of Combinatorial Theory, Series B.* 138 (2019): 206-218.
- 9. B. Bjorkman, G. Cochran, W. Gao, L. Keough, R. Kirsch, M. Phillipson, D. Rorabaugh, H. C. Smith, and J. Wise. "k-foldability of words," *Discrete Applied Mathematics*. 259 (2019): 19-30.
- 8. I. Miklós and H. C. Smith. "The computational complexity of calculating partition functions of optimal medians with Hamming distance," *Advances in Applied Mathematics*. 102 (2019): 18-82.
- 7. R. Anderson, S. Bai, F. Barrera-Cruz, É. Czabarka, G. Da Lozzo, N. L. F. Hobson, J. C.-H. Lin, A. Mohr, H. C. Smith, L. Székely, and H. Whitlatch. "Analogies between the crossing number and the tangle crossing number," *Electronic Journal of Combinatorics*. 25.4 (2018).
- 6. H. C. Smith, L. A. Székely, H. Wang, and S. Yuan. "On different 'middle parts' of a tree," *Electronic Journal of Combinatorics*. 25.3 (2018).
- 5. M. Ferrara, B. Kay, L. Kramer, R. R. Martin, B. Reiniger, H. C. Smith, and E. Sullivan. "The saturation number of induced subposets of the Boolean lattice," *Discrete Mathematics* 340.10 (2017): 2479-2487.
- 4. I. Miklós and H. C. Smith. "Sampling and counting genome rearrangement scenarios," *BMC Bioinformatics* 16(Suppl 14):S6 (2015). (*DOI:10.1186/1471-2105-16-S14-S6*, 2015).
- 3. H. C. Smith, L. A. Székely, and H. Wang. "Eccentricity Sums in Trees," *Discrete Applied Mathematics* 207, (2016): 120-131.
- 2. H. C. Smith and L. A. Székely "Some Remarks on Baranyai's Theorem," *Congressus Numerantium* 222, (2014): 43-55.
- R. Hammack and H. C. Smith. "Zero Divisors among Digraphs," Graphs and Combinatorics 30.1, (2014): 171-181. (Published on-line DOI:10.1007/s00373-012-1248-x, 2012)
   Submitted
- 5. R. R. Martin, H. C. Smith and S. Walker. "Improved bounds on induced-diamond-saturated families and induced-antichain-saturated families," *Submitted*.
- T. Cameron, A. Langville, and H. C. Smith. "On the graph Laplacian and the rankability of data," Submitted.
- 3. C. Biro, B. Bosek, H. C. Smith, W. T. Trotter, R. Wang, and S. J. Young. "Planar posets that are accessible from below have dimension at most 6," *Submitted*.
- 2. H. C. Smith and W. T. Trotter. "Fractional Local Dimension," *Submitted*. Preprint at arXiv:1906.05839 [math.CO].
- 1. J. Kim, R. R. Martin, T. Masařík, W. Shull, H. C. Smith, A. Uzzell, and Z. Wang. "Local dimension and size," *Submitted.* Preprint at arXiv:1803.08641 [math.CO].

#### Book Chapter under Review

E. Drellich and H. Smith. "Combinatorics of RNA Folding," *Submitted for inclusion in a volume containing open research projects for undergraduates*.

#### Research Visits

- Spring 2017 3 day research visit to Iowa State University, Ames, IA to collaborate with Ryan Martin
- Summer 2016 5 day research visit to the University of Colorado, Denver to collaborate with Michael Ferrara, Ryan Martin, William Kay, and Eric Sullivan
  - Fall 2014 2 day research visit to University College London and Oxford University, sponsored by the AMS, to collaborate with Valentin Danchev and Beate Franke
  - Fall 2014 4 week research visit to the the Alfréd Rényi Institute of Mathematics of the Hungarian Academy of Sciences, sponsored by the College of Arts and Sciences of the University of South Carolina, to collaborate with István Miklós
- Summer 2013 4 week research visit to the Alfréd Rényi Institute of Mathematics of the Hungarian Academy of Sciences, sponsored by the provost of the University of South Carolina, to collaborate with István Miklós and Péter Erdős

### Research Funding

#### Received

- 2019-2021 AMS-Simons Travel Grant administered by the American Mathematics Society with support from the Simons Foundation. (\$4,000)
- 2015-2018 IMPACT Postdoctoral Fellowship from the School of Mathematics of the Georgia Institute of Technology with partial support from NSF DMS 1344199.
- 2014-2015 Dean's Doctoral Dissertation Fellowship from the College of Arts and Sciences of the University of South Carolina. (\$25,000)
- Summer 2014 Research Assistantship from NSF DMS contract #1300547 (\$4,000)
  - 2013 SPARC Graduate Fellowship from the Office of the Vice President for Research at the University of South Carolina (\$5,000)
- Summer 2012 Research Assistantship from NSF DMS contract #1000475 (\$3,200)

#### Conference and Workshop Travel Awards

- 2019 IMA Workshop for Women in Graph Theory and Applications (\$700 in addition to meals and lodging)
- 2019 Math Teachers' Circle Summer Math Camp (meals and lodging)
- 2018 Schloss Dagstuhl- NSF Support Grant for the Genomics, Pattern Avoidance, and Statistical Mechanics Workshop (\$980 in addition to meals and lodging)
- 2017 Fully funded participant: Rocky Mountain–Great Plains Graduate Research Workshop in Combinatorics (\$500 in addition to meals and lodging)
- 2017 Fully funded participant: Mathematics Research Community on Crossing Numbers (\$560 in addition to meals and lodging)
- 2017 Travel Grant for 3-day research visit to Iowa State University (\$560 in addition to meals and lodging)
- 2016 Travel Grant for the 6<sup>th</sup> Polish Combinatorial Conference (\$190 in addition to meals and lodging)
- 2016 Travel Grant for the 13<sup>th</sup> Triangle Lectures in Combinatorics (\$330)
- 2015 Travel Grants for the Connections in Discrete Mathematics conference (\$769 from the Graduate School of the University of South Carolina, \$200 from the conference)
- Fully funded participant: Rocky Mountain–Great Plains Graduate Research Workshop in Combinatorics (\$400 in addition to meals and lodging)
- 2015 Travel Grant for the 2015 Midwest Combinatorics Conference (\$500 in addition to lodging)
- 2015 Travel Grant for the Association for Women in Mathematics Research Symposium (\$380)
- 2015 Travel Grant for the Joint Mathematics Meetings from the AMS (\$800)
- 2014 Travel Grant for the AMS Sectional Meeting, Greensboro, NC from the AMS (\$230)
- 2014 Travel Award from the AMS for research visit to University College London and Oxford University (\$750)
- 2014 Fully funded participant: Rocky Mountain–Great Plains Graduate Research Workshop in Combinatorics (\$950 and lodging)
- 2014 Fully funded participant: Mathematics Research Communities in Network Science (\$650 in addition to meals and lodging)

#### Awards

- Jun. 2018 MAA Project NExT fellow (Peach 2018 cohort)
- Apr. 2013 "2012-2013 Outstanding Graduate Teaching Assistant" awarded by the Department of Mathematics, University of South Carolina, Columbia, SC
- Mar. 2011 "2010-2011 Outstanding First Year Graduate Student" awarded by the Department of Mathematics, University of South Carolina, Columbia, SC
- Mar. 2007 "Outstanding Junior Student 2006/2007" awarded by the Department of Mathematics, Houghton College, Houghton, NY

## Student Supervision

- Fall 2018- Savannah Williams, Senior Honors Thesis, Davidson College
- Spring 2019 Project: Zero Forcing Polynomials: Mapping Spiders to Paths Williams was awarded high honors by the department.
- Fall 2016- Catherine Chen, Junior Undergraduate in Computer Science, Georgia Institute of Technology
- Spring 2017 Project: Perfect folding for RNA strings
- Summer 2016 **Ida De Vierno**, Sophomore Undergraduate in Mathematics, Georgia Institute of Technology **Isabella Nang**, Senior Undergraduate in Mathematics, Georgia State University

Project: Irreducibility of a Markov chain on meanders

Nang and de Vierno presented a poster at the 2017 Joint Mathematics Meetings, Atlanta, GA Nang gave talks in the Georgia Tech Undergraduate Seminar and the Georgia State Undergraduate Seminar

#### Presentations

#### Conference and Seminar Organization

Spring 2019 Co-organizer for the Math/CS Coffee Talks

Davidson College, Davidson, NC

Spring 2017 Co-organized Combinatorics seminar

Georgia Institute of Technology, Atlanta, GA

17-18 Oct. 2016 Organized IMPACT Distinguished Lecture Series

Georgia Institute of Technology, Atlanta, GA (Speaker: Tandy Warnow)

- 14-16 Oct. 2016 Organized mini-symposium on "Discrete and Algebraic Approaches in Mathematical Biology"

  Ninth Annual International Symposium on Biomathematics and Ecology Education and Research,

  College of Charleston, Charleston, SC
- 6-10 Jun. 2016 Co-organized mini-symposium on "Discrete Mathematical Biology" (with C. Heitsch)

  SIAM Conference on Discrete Mathematics, Georgia State University, Atlanta, GA

  Invited Talks
  - 15 Oct. 2019 **Separating Tree-Chromatic Number and Path-Chromatic Number (50 min.)**Discrete Mathematics Seminar, Virginia Commonwealth University, Richmond, VA
  - 5 Apr. 2019 **Separating Tree-Chromatic Number and Path-Chromatic Number (50 min.)** *Discrete Seminar*, University of South Carolina, Columbia, SC
  - 19 Jan. 2019 Local Dimension of a Poset and Size (20 min.)

    Special Session on Advances by Farly Career Women in Discrete

Special Session on Advances by Early Career Women in Discrete Mathematics, Joint Mathematics Meetings, Baltimore Convention Center, Baltimore, MD

19 Jan. 2019 Saturation for Induced Subposets (20 min.)

Special Session on Enumerative Combinatorics, Joint Mathematics Meetings, Baltimore Convention Center, Baltimore, MD

8 Nov. 2018 Complexity of the SCJ model and Partition Functions (25 min.)

Genomics, Pattern Avoidance, and Statistical Mechanics Workshop, Schloss Dagstuhl, Wadern, Germany

25 Oct. 2018 Discrete Models for Genome Rearrangement (50 min.)

Math Department Colloquium, Wake Forest University, Winston-Salem, NC

14 Apr. 2018 Extremal Properties of Vertex Attributes in Trees (25 min.)

Special Session on Mathematical Chemistry, AMS Spring Southeastern Sectional, Vanderbilt University, Nashville, TN

30 Mar. 2018 Sampling and Counting Genome Rearrangement Scenarios (50 min.)

Computational Science Seminar, Georgia Southern University, Statesboro, GA

23 Mar. 2018 Local Dimension of a Poset (50 min.)

Discrete Mathematics Seminar, Virginia Commonwealth University, Richmond, VA

12 Jan. 2018 Local Dimension of a Poset and Size (20 min.)

Special Session on Research from the Rocky Mountain-Great Plains Graduate Research Workshop in Combinatorics, Joint Mathematics Meetings, San Diego Convention Center, San Diego, CA

17 Nov. 201	7 Local Dimension of a Poset (50 min.)  Discrete Seminar, University of South Carolina, Columbia, SC
1 Aug. 201	·
	SIAM Conference on Applied Algebraic Geometry, Georgia Institute of Technology, Atlanta, GA
30 Mar. 201	• • •
4 Nov. 201	
	Discrete Seminar, University of South Carolina, Columbia, SC
6 Jun. 201	Extremal Properties of Vertex Attributes in Trees (25 min.)
	Special Session on Structures in Trees
	SIAM Conference on Discrete Mathematics, Georgia State University, Atlanta, GA
16 Apr. 201	·
	Special Session on Extremal Graph Theory
E M 001	AMS Spring Central Sectional Meeting #1120, North Dakota State University, Fargo, ND
5 Mar. 201	6 Counting Single Cut-or-Join Scenarios (25 min.)
	Special Session on Theory and Applications of Graphs, AMS Spring Southeastern Sectional Meeting $\#1117$ , University of Georgia, Athens, GA
1 Nov. 201	
11 NOV. 201	Discrete Math Seminar, Kennesaw State University, Marietta, GA
20 Oct. 201	
-0 001. 201	Discrete Seminar, Georgia State University, Atlanta, GA
11 Oct. 201	
	Minisymposium on Algebraic and Discrete Methods in Mathematical Biology,
	Eighth Annual International Symposium on Biomathematics and Ecology Education and Research
	Illinois State University, Normal, IL
12 Apr. 201	, , ,
	Special Session on Discrete Mathematics (and Theoretical Computer Science), AWM Research Symposium 2015, University of Maryland, College Park, MD
11 Jan. 201	5 Sampling Single Cut-or-Join Scenarios (20 min.)
	AMS Special Session on Network Science, 2015 Joint Mathematics Meetings,
	Henry B. Gonzalez Convention Center, San Antonio, TX
27 Apr. 201	3 Zero Divisors among Digraphs (15 min.)
	Mini-Conference on Graduate Research, Georgia Southern University, Statesboro, GA
	Local Seminar Talks
13 Oct. 201	7 Local dimension of a poset and size (50 min.)
	Combinatorics Seminar, Georgia Institute of Technology, Atlanta, GA
20 Nov. 201	<b>5 5</b> ,
	Combinatorics Seminar, Georgia Institute of Technology, Atlanta, GA
3 Apr. 201	On the Complexity of Genome Rearrangement (60 min.)  Discrete Seminar, University of South Carolina, Columbia, SC
30 Apr. 201	4 Approximating the Number of Double Cut-and-Join Scenarios (60 min.)
	SIAM Student Chapter, University of South Carolina, Columbia, SC
22 Mar. 201	3 The Lovász Isotopy Lemma (60 min.)
	Algebra and Logic Seminar, University of South Carolina, Columbia, SC
1 Mar. 201	- · · · · · · · · · · · · · · · · · · ·
20.4 223	Algebra and Logic Seminar, University of South Carolina, Columbia, SC
30 Apr. 201	- · · · · · · · · · · · · · · · · · · ·
E Fab 001	Graduate Student Seminar, Virginia Commonwealth University, Richmond, VA
5 Feb. 201	Extensions of the Pythagorean Theorem (60 min.)

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29 Sep. 2015 Zero Forcing: The Spread of Infection on a Graph (25 min.)

Undergraduate Seminar

Georgia Institute of Technology, Atlanta, GA

24 Oct. 2014 Zero Forcing: The Spread of Infection on a Graph (20 min.)

Carolina Math Seminar, Columbia College, Columbia, SC

2 Oct. 2014 Beauty of Mathematics Research (45 min.)

High school senior class, International Christian School of Budapest, Diósd, Hungary

Other

16 Oct. 2016 Exploring the Space of RNA Secondary Structures (25 min.)

Special Session on Discrete and Algebraic Approaches in Mathematical Biology

Ninth Annual International Symposium on Biomathematics and Ecology Education and Research, College of Charleston, Charleston, SC

20 Sept. 2016 Saturation for Induced Subposets (20 min.)

6<sup>th</sup> Polish Combinatorial Conference, The Polish Academy of Sciences' Conference Center, Bedlewo,

9 Jun. 2016 Complexity of the Single Cut-Or-Join Model for Genome Rearrangement (25 min.)

Special Session on Discrete Mathematical Biology

SIAM Conference on Discrete Mathematics, Georgia State University, Atlanta, GA

16 Jun. 2015 Computational Complexity of Weight Functions on Optimal Medians (20 min.)

Connections in Discrete Mathematics

Simon Fraser University, Burnaby, BC, Canada

28 Mar. 2015 On the Combinatorics of Genome Rearrangement (20 min.)

Graduate Student Combinatorics Conference, University of Kentucky, Lexington, KY

9 Nov. 2014 Eccentricity in Trees (10 min.)

AMS Fall Southeastern Section Meeting, University of North Carolina, Greensboro, NC

11 Apr. 2014 Markov Chains and the Single Cut-or-Join Model (15 min.)

17<sup>th</sup> Annual Graduate Student Day, University of South Carolina, Columbia, SC

5 Apr. 2014 Baranyai Partitions and the Anti-Baranyai Theorem (25 min.)

10th Graduate Student Combinatorics Conference, Auburn University, Auburn, AL

6 Mar. 2014 Constructing Baranyai Partitions (15 min.)

The 45<sup>th</sup> Southeastern International Conference on Combinatorics, Graph Theory, and Computing, Florida Atlantic University, Boca Raton, FL

19 Apr. 2010 Zero Divisors among Digraphs (45 min.)

Public Defense of Master's Thesis, Virginia Commonwealth University, Richmond, VA

## Teaching Experience

Davidson College, Davidson, NC

Fall 2018- Assistant Professor

present Department of Mathematics and Computer Science

- o MATH 281: Models for Biological Structures (Spring 2019)
- o MATH 230: Sets and Proofs (Fall 2018)
- MATH/CSC 220: Discrete Structures (Fall 2019)
- MATH 150: Linear Algebra (Spring 2019)
- o MATH 111: Calculus I no previous exposure (Fall 2018, Fall 2019)

Georgia Institute of Technology, Atlanta, GA

Fall 2015- Visiting Assistant Professor

Spring 2018 School of Mathematics

- o MATH 4022: Introduction to Graph Theory (Fall 2017)
- o MATH 3012: Applied Combinatorics (Fall 2015, Spring 2016, Spring 2017)
- MATH 2106: Foundations of Mathematical Proof (Spring 2018)
- MATH 1552: Integral Calculus (Fall 2016)

# University of South Carolina, Columbia, SC Spring 2011- Instructor of Record

Spring 2014 Department of Mathematics

o MATH 111: Basic College Mathematics (Spring 2011)

• MATH 115: Precalculus Mathematics (Spring 2012)

MATH 122: Business Calculus (Spring 2013)

o MATH 141: Calculus I (Fall 2012, Fall 2013)

o MATH 241: Vector Calculus (Summer 2011, Fall 2011, Summer 2013)

MATH 374: Discrete Structures (Spring 2014)

Fall 2010, Graduate Teaching Assistant

Fall 2013 Department of Mathematics

o MATH 142: Calculus II (Led weekly recitations and taught a computer lab with Maple)

#### Virginia Commonwealth University, Richmond, VA

Summer 2010 Adjunct Instructor for Calculus I MATH 161

Department of Mathematics and Applied Mathematics

MATH 161: Calculus I

Fall 2008- Instructor of Record

Spring 2010 Department of Mathematics and Applied Mathematics

o MATH 141: Algebra with Applications (Fall 2008, Spring 2009, 2 sections each)

o MATH 151: Precalculus Mathematics (Fall 2009, Spring 2010, 2 sections each)

#### Professional Service

1 Aug. 2019 Judge for the MAA Undergraduate Student Paper Session

MathFest, Cincinnati, OH

7 Mar. 2019 Assistant for Treasure Hunt

MAA Southeastern Section Meeting, Lee University, Cleveland, TN

18 Jan. 2019 Judge for the Association for Women in Mathematics Graduate Student Poster Session

Joint Mathematics Meetings, Baltimore, MD

17 Jan. 2019 Invited Participant in AMS Mathematical Research Communities Focus group

Joint Mathematics Meetings, Baltimore, MD

2018-present Assistant with the Charlotte Math Teachers Circle

2015-present Reviewer for Mathematical Reviews, American Mathematical Society

2015-present Referee for the following journals:

Ars Combinatoria

Discrete Applied Mathematics

Discrete Mathematics

• SIAM Journal on Discrete Mathematics

• Theory and Applications of Graphs

10 Mar. 2018 Proctor and Grader for the 2018 Georgia Tech High School Mathematics Competition

Georgia Institute of Technology, Atlanta, GA

Fall 2017 Mentor with the local AWM mentorship program

Georgia Institute of Technology, Atlanta, GA

30 Aug. 2017 Teaching panel member for Part-time New Faculty Orientation

Georgia Institute of Technology, Atlanta, GA

9-22 Jul. 2017 Postdoc mentor at the Rocky Mountains-Great Plains Graduate Research Workshop in Com-

binatorics

Denver University and University of Colorado, Denver, CO

Assist graduate students in developing research problem statements and facilitate research groups

11-17 Jun. 2017 Assistant to the organizers at the Mathematics Research Community on Crossing Numbers

Snowbird Ski and Summer Resort, Snowbird, UT

Facilitated the work of small research groups and prepared a summary report of conference activities for the NSF

Summer 2017	Mentor for Graduate Student Instructors  Georgia Institute of Technology, Atlanta, GA  Supervised graduate student who were instructors of record, assisting with syllabi, giving advice on exams,			
	verifying final grades, and being available for questions			
	Co-leader of IMPACT REU program			
	Georgia Institute of Technology, Atlanta, GA  Grader for the 2016 Georgia Tech High School Mathematics Competition			
12 Wai. 2010	Georgia Institute of Technology, Atlanta, GA			
31 Jan. 2015	Proctor for the 29 <sup>th</sup> High School Mathematics Competition and Menger Sponge Build University of South Carolina, Columbia, SC			
2013-2015	Judge for the 11 <sup>th</sup> ,12 <sup>th</sup> , and 13 <sup>th</sup> Annual Integration Bees  Pi Mu Epsilon Alpha Chapter and Gamecock Math Club  University of South Carolina, Columbia, SC			
2011, 2014, 2015	·			
2013-2014	Proctor for the 27 <sup>th</sup> and 28 <sup>th</sup> High School Mathematics Competition University of South Carolina, Columbia, SC			
2012-2013	Co-referee with László Székely for the following journals:  o Moscow Journal of Combinatorics and Number Theory  electronic Journal of Combinatorics  Central European Journal of Mathematics			
2012	Mentor with the Women's Mentoring Program University of South Carolina, Columbia, SC			
	Other Service to Davidson College			
2019-present	Informal Department Mentor for Visiting Assistant Professor			
2019-2021	Center for Interdisciplinary Studies Advisory Board			
2019-2020	Student Conduct Council			
2019-present	Faculty mentor for local Association for Women in Mathematics (AWM) chapter			
	Summer Schools/Workshops Attended			
	Fully-funded Participant			
19-23 Aug. 2019	Workshop for Women in Graph Theory and Applications Institute for Mathematics and its Applications, Minneapolis, MN			
25-27 Jul. 2019	Mathematics Teachers' Circle Summer Camp North Carolina Center for the Advancement of Teaching, Cullowhee, NC			
5-9 Nov. 2018	Genomics, Pattern Avoidance, and Statistical Mechanics Schloss Dagstuhl, Wadern, Germany			
11-17 Jun. 2017	AMS Mathematics Research Community on Crossing Numbers Snowbird Ski and Summer Resort, Snowbird, UT			
	Rocky Mountain-Great Plains Graduate Research Workshop in Combinatorics			
	Iowa State Unversity, Ames, IA			
	Rocky Mountain–Great Plains Graduate Research Workshop in Combinatorics University of Denver and University of Colorado Denver, Denver, CO			
_	AMS Mathematics Research Community on Network Science			
23-29 Juli. 2014	Snowbird Ski and Summer Resort, Snowbird, UT			
_	Other			
14-17 Sep. 2016	Order and Geometry Workshop Gułtowy Palace, Gułtowy, Poland			
20-31 May 2013	Summer School in Network Science University of South Carolina, Columbia, SC			

	Conferences Attended		
31 Jul	MAA MathFest		
3 Aug. 2019	Duke Energy Convention Center, Cincinnati, OH		
25-27 Jul. 2019	NC Math Teachers' Circle Summer Camp NC Center for the Advancement of Teaching, Cullowhee, NC		
7-8 Mar. 2019	MAA Southeastern Section Meeting Lee University, Cleveland, TN		
16-19 Jan. 2019	2019 Joint Mathematics Meetings Baltimore Convention Center, Baltimore, NC		
28 Sep. 2018	MAA NC State Dinner Campbell University, Buies Creek, NC		
1-4 Aug. 2018	MAA MathFest Sheraton Denver Downtown Hotel, Denver, CO		
14-15 Apr. 2018	AMS Spring Southeastern Sectional Meeting #1138 Vanderbilt University, Nashville, TN		
10-13 Jan. 2018	2018 Joint Mathematics Meetings San Diego Convention Center, San Diego, CA		
	Atlanta Lecture Series in Combinatorics and Graph Theory XX Georgia Institute of Technology, Atlanta, GA		
	SIAM Conference on Applied Algebraic Geometry		
4 Aug. 2017	Georgia Institute of Technology, Atlanta, GA		
9-11 Jan. 2017	A Conference Celebrating the 25th Anniversary of the ACO Program		
	Georgia Institute of Technology, Atlanta, GA		
4-7 Jan. 2017	2017 Joint Mathematics Meetings		
22-23 Oct. 2016	Hyatt Regency Atlanta and Marriott Atlanta Marquis, Atlanta, GA  Atlanta Lecture Series in Combinatorics and Graph Theory XVIII		
14 16 0 -+ 2016	Emory University, Atlanta, GA		
14-10 Oct. 2010	Ninth Annual International Symposium on Biomathematics and Ecology Education and Research College of Charleston, Charleston, SC		
10.23 San. 2016	6 <sup>th</sup> Polish Combinatorial Conference		
19-23 Sep. 2010	Polish Academy of Sciences' Conference Center, Bedlewo, Poland		
6-10 Jun. 2016	SIAM Conference on Discrete Mathematics Georgia State University, Atlanta, GA		
16-17 Apr. 2016	AMS Spring Central Sectional Meeting #1120 North Dakota State University, Fargo, ND		
5-6 Mar. 2016	AMS Spring Southeastern Sectional Meeting #1117 University of Georgia, Athens, GA		
27 Feb. 2016	13 <sup>th</sup> Triangle Lectures in Combinatorics University of North Carolina, Greensboro, NC		
14-15 Nov. 2015	Atlanta Lecture Series in Combinatorics and Graph Theory XVI Georgia Institute of Technology, Atlanta, GA		
9-11 Oct. 2015	Eighth Annual International Symposium on Biomathematics and Ecology Education and Research		
15 10 lun 2015	Illinois State University, Normal, IL  Connections in Discrete Mathematics		
10-19 Jun. 2015	Simon Fraser University, Burnaby, BC, Canada		
19-21 May 2015	2015 Midwest Combinatorics Conference University of Minnesota, Minneapolis, MN		
15-17 May 2015	28 <sup>th</sup> Cumberland Conference on Combinatorics, Graph Theory, & Computing		

University of South Carolina, Columbia, SC

11-12 Apr. 2015	Association for Women in Mathematics Research Symposium 2015 University of Maryland, College Park, MD
27-29 Mar. 2015	Graduate Student Combinatorics Conference
	University of Kentucky, Lexington, KY
7-8 Mar. 2015	2nd Lake Michigan Workshop on Combinatorics and Graph Theory University of Notre Dame, Notre Dame, IN
10-13 Jan. 2015	2015 Joint Mathematics Meetings
	Henry B. Gonzalez Convention Center, San Antonio, TX
8-9 Nov 2014	AMS Fall Southeastern Section Meeting #1105
0 3 1101. 2011	University of North Carolina, Greensboro, NC
24 Oct 2014	Carolina Math Seminar
21 000. 2011	Columbia College, Columbia, SC
26 Apr 2014	Atlanta Lecture Series in Combinatorics and Graph Theory XII
20 Apr. 2014	Georgia Institute of Technology, Atlanta, GA
4.5 Apr. 2014	Graduate Student Combinatorics Conference
4-5 Apr. 2014	Auburn University, Auburn, AL
2.7 Mar. 2014	45 <sup>th</sup> Southeastern Int. Conference on Combinatorics, Graph Theory and Computing
5-7 Mar. 2014	Florida Atlantic University, Boca Raton, FL
22 F.J. 2014	
22 Feb. 2014	9 <sup>th</sup> Triangle Lectures in Combinatorics
00.01.6	University of North Carolina, Chapel Hill, NC
20-21 Sep. 2013	8 <sup>th</sup> Triangle Lectures in Combinatorics
4 5 1 1 2040	North Carolina State University, Raleigh, NC
1-5 Jul. 2013	Erdős Centennial Conference
	The Alfréd Rényi Institute of Mathematics, Budapest, Hungary
24-28 Jun. 2013	Random Walks: Crossroads and Perspectives
	The Alfréd Rényi Institute of Mathematics, Budapest, Hungary
27 Apr. 2013	Mini-Conference on Graduate Research
	Georgia Southern University, Statesboro, GA
4-8 Mar. 2013	44 <sup>th</sup> Southeastern Int. Conference on Combinatorics, Graph Theory and Computing
	Florida Atlantic University, Boca Raton, FL
27-28 Oct. 2011	26 <sup>th</sup> Clemson Mini-Conference on Discrete Mathematics and Algorithms
	Clemson University, Clemson, SC
24-25 Sep. 2011	AMS Fall Southeastern Section Meeting #1073
	Wake Forest University, Winston-Salem, NC
7-8 Oct. 2010	25 <sup>th</sup> Clemson Mini-Conference on Discrete Mathematics and Algorithms
	Clemson University, Clemson, SC
5-8 Jan. 2009	2009 Joint Mathematics Meetings
	Marriott Wardman Park and Omni Shoreham, Washington, DC
	D. I. M. I. I. A., I. I.
	Pedagogy Workshops Attended
18 Nov. 2016	Measuring Learning
	Faculty Development Workshop, Center for the Enhancement of Teaching and Learning, Georgia Institute of
	Technology, Atlanta, GA
19 Oct. 2016	Teaching Students Across Multiple Backgrounds and Abilities
	Faculty Development Workshop, Center for the Enhancement of Teaching and Learning, Georgia Institute of
10.00 M - 0010	Technology, Atlanta, GA
18,28 Mar. 2016	<del>.</del>
	Faculty Learning Community, Center for Teaching and Learning, Georgia Institute of Technology, Atlanta, GA

## Memberships

- Mathematical Association of America (MAA)
- o Pi Mu Epsilon ( $\Pi$ ME)

Association for Women in Mathematics (AWM)

## References László Székely

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