

# Bernard Lidický

## *Curriculum Vitae*

Department of Mathematics  
Iowa State University  
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### Education

PhD. [Charles University in Prague](#), Czech Republic 10/2007–07/2011  
Dissertation: *Graph coloring problems*, advisor [J. Fiala](#)

Master's degree (summa cum laude), [Charles University in Prague](#) 10/2002–09/2007  
Thesis: *Variants of the coloring problem*, advisor [J. Fiala](#)

### Appointments

Professor 08/2022–present  
Associate Chair for Research and Faculty Development 2020–present  
Associate Professor 08/2018–08/2022  
Assistant Professor 08/2014–07/2018  
Iowa State University, USA

J. L. Doob Research Assistant Professor (postdoc) 08/2011–08/2014  
University of Illinois at Urbana-Champaign, USA

Intern 11/2010–04/2011  
[Mitsubishi Electric Research Laboratories](#), USA

Junior researcher 10/2007–08/2011  
[Charles University in Prague](#), Czech Republic

### Awards

- Scott Hanna Professor \$90,000 2023–2026
- Scott Hanna Faculty Fellow \$30,000 2020–2023
- Vinograde Award for Excellence in Advising 2021  
presented by the Math Graduate Student Organization, ISU
- Award for Early Achievement in Research awarded by College of LAS, ISU 2020
- Vinograde Award for Excellence in Teaching 2020  
presented by the Math Graduate Student Organization, ISU

*Updated March 5, 2024*

**External Funding**

- PI on NSF grant, [DMS-2152490](#) \$511,449 2022–2025  
Title: FRG: Collaborative Research: Generalized Turan problems  
External research grant, to Lidický 100%.  
Applied collaboratively with proposals by PI J. Balogh (UIUC) and PI F. Pfender (CU Denver).
- PI on NSF REU Site grant [DMS-1950583](#) \$484,398 2020–2025  
Title: REU SITE: Iowa State University Mathematics REU  
co-PI S. Butler  
Mainly supporting participants of REU, to Lidický 50%.
- co-PI on NSF grant [DMS-1839918](#) \$1,500,000 2019–2024  
Title: RTG: Combinatorics, Computation and Applications at Iowa State  
PI L. Hogben, other co-PIs R. Martin, J. Newmann (replaced H. Schenck), S. Zerbib (replaced M. Young)  
External grant supporting graduate students and postdocs, to Lidický 20%.
- co-PI on NSA grant (\$24,921) 2023–2024  
Title: 2023 & 2024 Graduate Research Workshop in Combinatorics (GRWC)  
PI Steve Butler, co-PIs Pamela Harris, Tyrrell McAllister, Florian Pfender, to Lidický 20%.
- US PI on Slovenia-US collaboration grant €3000 2022–2024  
Title: From proper to strong edge-colorings  
Slovenian PI B. Lužar  
External research grant, to Lidický for local expenses in Slovenia.
- co-PI on NSF [DMS-1953445](#) \$86,393 2020–2024  
Title: Collaborative Research: Graduate Research Workshops in Combinatorics  
PI S. Butler (replaced L. Hogben), other co-PIs M. Young, S. Zerbib  
Mainly supporting participants of the workshop, to Lidický 20%.
- PI on NSF grant [DMS-1855653](#) \$125,000 2019–2022  
Title: Collaborative Research: Flag Algebra Methods  
External research grant, to Lidický 100%.  
Awarded together with a separate NSF grant [DMS-1855622](#) to PI F. Pfender.
- US PI on Slovenia-US collaboration grant €3030 2019–2021  
Title: From proper to strong edge-colorings  
Slovenian PI B. Lužar  
External research grant, to Lidický for local expenses in Slovenia €1515.

- PI on NSF grant [DMS-1600390](#) \$83,000 2016–2019  
 Title: Collaborative Research: Flag Algebra and Its Applications  
 External research grant, to Lidický 100%.  
 Awarded together with a separate NSF grant [DMS-1600483](#). to PI F. Pfender
- US PI on Slovenia-US collaboration grant €3224 2017–2019  
 Title: Revealing chromatic properties of graphs  
 Slovenian PI R. Škrekovski  
 External research grant, to Lidický for local expenses in Slovenia €1612
- co-PI on NSF grant [DMS-1603823](#) \$24,321 2016–2019  
 Title: Collaborative Research: Graduate Research Workshops in Combinatorics  
 PI L. Hogben, other co-PI's R. Martin, D. Stolee, M. Young  
 Organizing workshop, funds only for students participants, to Lidický 20%.
- co-PI on NSF grant [DMS-1266016](#) \$269,919 2013–2016  
 Title: Coloring-related problems for graphs and hypergraphs with degree restrictions  
 PI A. Kostochka  
 External research grant, \$ split 2 : 1 between PI and Lidický. \$24,126 subawarded to ISU
- IMA grant supporting the Excill II conference at UIUC, Mar 2013, (joint with J. Balogh, A. Kostochka, and D. West, \$4,000) 2013  
 Organizing conference, funds for participants only, to Lidický 20%.
- PI on AMS-Simons Travel Grant \$4,000 2012–2013  
 External research grant, to Lidický 100%

### Internal Funding

- co-PI on John Deere grant \$2,000 2019–2020  
 Title: Math Bridges: a Mathematics Postbaccalaureate program at Iowa State.  
 PI M. Young  
 Materials for [Postbaccalaureate program](#) students at ISU, to Lidický 50%
- Iowa State University - Foreign Travel Grant \$1,069 2015  
 Internal grant, to Lidický 100%
- PI on Charles University student research grant, equiv. \$30,000 2010–2011  
 Internal research grant

### Publications

In mathematics, authors are traditionally listed in alphabetical order. See [AMS Culture Statement](#) for more explanation. [doi], [pdf], and [arXiv] are clickable.

#### Papers in refereed journals

71. J. Balogh, F. Clemen, B. Lidický: *10 Problems for Partitions of Triangle-free Graphs*, Accepted to European J. Combinatorics. [[arXiv](#)] [[doi](#)]
70. B. Lidický, C. Mattes, F. Pfender:  *$C_5$  is almost a fractalizer*, Journal of Graph Theory **104** (2023) 220–244. [[arXiv](#)] [[doi](#)]
69. J. Balogh, F. Clemen, B. Lidický, S. Norin, J. Volec: *The Spectrum of Triangle-free Graphs*, SIAM J. Discrete Math. **37** (2023) 1173–1179. [[arXiv](#)] [[doi](#)]
68. R. Kirsch, B. Lidický, C. Sibley, E. Sprangel: *Shortened Universal Cycles for Permutations*, Discrete Applied Mathematics **324** (2023) 219–228. [[arXiv](#)] [[doi](#)]
67. B. Lidický, T. Masařík, K. Murphy, S. Zerbib: *On Weak Flexibility in Planar Graphs*. Graphs and Combinatorics **38**:180 (2022). [[arXiv](#)] [[doi](#)]
66. D. Cranston, B. Lidický, X. Liu, A. Shantanam: *Planar Turán Numbers of Cycles: A Counterexample*, Electronic Journal of Combinatorics **29** (2022) P3.31 [[arXiv](#)] [[doi](#)]
65. A. Grzesik, J. Lee, B. Lidický, J. Volec: *On tripartite common graphs*, Combinatorics, Probability and Computing **31** (2022) 907–923. [[arXiv](#)] [[doi](#)]
64. J. Balogh, F. Clemen, B. Lidický: *Maximum Number of Almost Similar Triangles in the Plane*, Computational Geometry: Theory and Applications, 105–106 (2022), 101880. [[arXiv](#)] [[doi](#)]
63. J. Balogh, F. Clemen, B. Lidický: *Hypergraph Turán Problems in  $\ell_2$ -Norm*. Surveys in Combinatorics: Invited lectures from the 29th British Combinatorial Conference. (2022) 21–63. [[arXiv](#)] [[doi](#)]
62. J. Balogh, F. Clemen, B. Lidický: *Solving Turán’s Tetrahedron Problem for the  $\ell_2$ -Norm*, Journal of the London Mathematical Society, **106** (2022) 60–84. [[arXiv](#)] [[doi](#)]
61. J. Breen, S. Butler, M. Fuentes, B. Lidický, M. Philips, A. W. N. Riasanovsky, S.-Y. Song, R. R. Villagrán, C. Wiesman, X. Zhang *Hadamard diagonalizable graphs of order at most 36*, Electronic Journal of Combinatorics **29** (2022) P2.16. [[arXiv](#)] [[doi](#)]
60. Z. Dvořák, B. Lidický: *Coloring count cones of planar graphs*, Journal of Graph Theory **100**, (2022) 84–100. [[arXiv](#)] [[doi](#)]
59. A. Blumenthal, B. Lidický, R. R. Martin, S. Norin, F. Pfender, J. Volec: *Counterexamples to a conjecture of Harris on Hall ratio*, SIAM J. Discrete Math. **36** (2022), 1678–1686 [[arXiv](#)] [[doi](#)]
58. B. Lidický, K. Murphy: *Maximizing five-cycles in  $K_r$ -free graphs*, European Journal of Combinatorics, **97** (2021), 103367. [[arXiv](#)] [[doi](#)]
57. J. Balogh, F. Clemen, M. Lavrov, B. Lidický, F. Pfender: *Making  $K_{r+1}$ -free Graphs  $r$ -partite*, Combinatorics, Probability and Computing, **30**(4), (2021) 609–618. [[arXiv](#)] [[doi](#)]

56. B. Lidický, F. Pfender: *Semidefinite Programming and Ramsey Numbers*, SIAM J. Discrete Math. **35**, (2021), 2328–2344. [[arXiv](#)] [[doi](#)]
55. A. Blumenthal, B. Lidický, Y. Pehova, F. Pfender, O. Pikhurko, J. Volec: *Sharp bounds for decomposing graphs into edges and triangles*, Combinatorics, Probability and Computing, **30** (2021) 271–287. [[arXiv](#)] [[doi](#)]
  - Also at Eurocomb 2019 (*Acta Mathematica Universitatis Comenianae*, 2019, 88(3), 463–468)
54. I. Choi, B. Lidický, F. Pfender: *Inducibility of directed paths*, Discrete Mathematics, **343** 112015 (2020). [[arXiv](#)] [[doi](#)]
53. M. Dairyko, M. Ferrara, B. Lidický, R. R. Martin, F. Pfender, A. Uzzell: *Ore and Chvátal-type Degree Conditions for Bootstrap Percolation from Small Sets*, Journal of Graph Theory **94**, (2020) 252–266. [[arXiv](#)] [[doi](#)]
52. P. Bennett, A. Dudek, B. Lidický, O. Pikhurko: *Minimizing the number of 5-cycles in graphs with given edge-density*, Combinatorics, Probability and Computing **29**, (2020) 44–67. [[arXiv](#)] [[doi](#)]
51. B. Lidický, K. Messerschmidt, R. Škrekovski: *Facial unique-maximum colorings of plane graphs with restriction on big vertices*, Discrete Math. **342** (2019) 2612–2617. [[arXiv](#)] [[doi](#)]
50. J. Balogh, B. Lidický, G. Salazar: *Closing in on Hill's Conjecture*, SIAM J. Discrete Math. **33** (2019) 1261–1276. [[arXiv](#)] [[doi](#)]
49. M. Bucic, B. Lidický, J. Long, A. Zsolt Wagner: *Partition problems in high dimensional boxes*, Journal of Comb. Theory A. **166** (2019) 315–336. [[arXiv](#)] [[doi](#)]
48. D. Král', B. Lidický, T. L. Martins, Y. Pehova: *Decomposing graphs into edges and triangles*, Combinatorics, Probability and Computing. **28** (2019), 465–472. [[arXiv](#)] [[doi](#)]
47. M. Axenovich, J. Goldwasser, B. Lidický, R. R. Martin, D. Offner, J. Talbot, M. Young: *Polychromatic Colorings on the Integers*, Integers: The Electronic Journal of Combinatorial Number Theory. **19** (2019) A18 [[arXiv](#)] [[journal](#)]
46. B. Lidický, F. Pfender: *Pentagons in triangle-free graphs*, European J. of Combinatorics. **74** (2018), 85–89. [[arXiv](#)] [[doi](#)]
45. M. Kim, B. Lidický, T. Masařík, F. Pfender: *Notes on complexity of packing coloring*, Information Processing Letters. **137** (2018), 6–10. [[arXiv](#)] [[doi](#)]
44. B. Lidický, K. Messerschmidt, R. Škrekovski: *A counterexample to a conjecture on facial unique-maximal colorings*, Discrete Applied Math. **237** (2018), 123–125. [[arXiv](#)] [[doi](#)]
43. V. Andova, B. Lidický, B. Lužar, R. Škrekovski: *On facial unique-maximum (edge-)coloring*, Discrete Applied Math. **237** (2018), 26–32. [[arXiv](#)] [[doi](#)]

42. P. DeOrsey, J. Diemunsch, M. Ferrara, N. Graber, S. G. Hartke, S. Jahanbekam, B. Lidický, L. Nelsen, D. Stolee, E. Sullivan: *On the Strong Chromatic Index of Sparse Graphs*, Electronic Journal of Combinatorics **25-3** (2018) P18 [[arXiv](#)] [[doi](#)]
41. Z. Dvořák, B. Lidický: *Fine structure of 4-critical triangle-free graphs I. Planar graphs with two triangles and 3-colorability of chains*, SIAM J. Discrete Math. **32** (2018), 1775–1805. [[arXiv](#)] [[doi](#)]
40. J. Goldwasser, B. Lidický, R. Martin, D. Offner, J. Talbot, M. Young: *Polychromatic Colorings on the Hypercube*, Journal of Combinatorics **9** (2018) 631–657. [[arXiv](#)] [[doi](#)]
39. M. Axenovich, J. Goldwasser, R. Hansen, B. Lidický, R. R. Martin, D. Offner, J. Talbot, M. Young: *Polychromatic colorings of complete graphs with respect to 1,2-factors and Hamiltonian cycles*, Journal of Graph Theory, **87** (2018), 660–671. [[arXiv](#)] [[doi](#)]
38. J. Kynčl, B. Lidický, T. Vyskočil: *Irreversible 2-conversion set in graphs of bounded degree*, Discrete Math. and Theoretical Comp. Sci. **19** (2017) [[arXiv](#)] [[doi](#)]
37. Z. Dvořák, B. Lidický: *Fine structure of 4-critical triangle-free graphs III. General surfaces*, SIAM Journal on Discrete Mathematics **32** (2018), 94–105. [[arXiv](#)] [[doi](#)]
36. I. Choi, J. Ekstein, P. Holub, B. Lidický: *3-coloring triangle-free planar graphs with a precolored 9-cycle*, European J. of Combinatorics. **68** (2018), 38–65. [[arXiv](#)] [[doi](#)]  
• Also at IWOCA 2014 (*International Workshop on Combinatorial Algorithms*). Lecture Notes in Computer Science **8986** (2015), 98–109. [[doi](#)] [[pdf](#)]
35. J. Balogh, P. Hu, B. Lidický, F. Pfender, J. Volec, M. Young: *Rainbow triangles in three-colored graphs*, Journal of Comb. Theory B. **126** (2017), 83–113. [[arXiv](#)] [[doi](#)]
34. Z. Dvořák, B. Lidický: *Fine structure of 4-critical triangle-free graphs II. Planar triangle-free graphs with two precolored 4-cycles*, SIAM J. Discrete Math. **31** (2017), 865–874. [[arXiv](#)] [[doi](#)]
33. B. Brimkov, J. Edmond, R. Lazar, B. Lidický, K. Messerschmidt, S. Walker: *Injective choosability of subcubic planar graphs with girth 6*, Discrete Math. **340** (2017), 2538–2549. [[arXiv](#)] [[doi](#)]
32. Z. Berikkyzy, C. Cox, M. Dairyko, K. Hogenson, M. Kumbhat, B. Lidický, K. Messerschmidt, K. Moss, K. Nowak, K. F. Palmowski, D. Stolee: *(4,2)-choosability of planar graphs with forbidden structures*, Graphs and Combinatorics, **33** (2017), 751–787. [[arXiv](#)] [[doi](#)]
31. E. Gethner, L. Hogben, B. Lidický, F. Pfender, A. Ruiz, M. Young: *Crossing numbers of complete tripartite and balanced complete multipartite graphs*, J. of Graph Theory. **84** (2017), 552–565. [[arXiv](#)] [[doi](#)]

30. F. Cicalese, B. Keszegh, B. Lidický, D. Pálvölgyi, T. Valla: *On the Tree Search Problem with Non-uniform Costs*, Theoretical Computer Science **647** (2016), 22–32. [[doi](#)] [[pdf](#)]
  - Also at WG 2015 (International Workshop on Graph-Theoretic Concepts in Computer Science). Lecture Notes in Computer Science **9224** (2016), 90–102. [[arXiv](#)] [[doi](#)]
29. J. Balogh, P. Hu, B. Lidický and F. Pfender: *Maximum density of induced  $C_5$  is achieved by iterated blow-ups*, European J. of Combinatorics, **52** (2016), 47–58. [[arXiv](#)] [[doi](#)]
28. J. Balogh, M. Delcourt, B. Lidický, C. Palmer: *Rainbow copies of  $C_4$  in edge-colored hypercubes*, Discrete Applied Math., **210** (2016), 35–37. [[doi](#)] [[pdf](#)]
27. Z. Dvořák, B. Lidický, B. Mohar: *5-choosability of graphs with crossings far apart*, Journal of Comb. Theory B **123** (2017), 54–96. [[arXiv](#)] [[doi](#)]
26. Z. Dvořák, B. Lidický, B. Mohar, L. Postle: *5-list-coloring planar graphs with distant precolored vertices*, Journal of Comb. Theory B **122** (2017), 311–352. [[arXiv](#)] [[doi](#)]
25. I. Choi, B. Lidický, D. Stolee: *On Choosability with Separation of Planar Graphs with Forbidden Cycles*, J. of Graph Theory, **81** (2016) 283–306. [[arXiv](#)] [[doi](#)]
24. Z. Dvořák, B. Lidický: *3-coloring triangle-free planar graphs with a precolored 8-cycle*, J. of Graph Theory, **80** (2015), 98–111. [[arXiv](#)] [[doi](#)]
23. H.A. Kierstead, B. Lidický: *On choosability with separation of planar graphs with lists of different sizes*, Discrete Math. **338** (2015), 1779–1783. [[arXiv](#)] [[doi](#)]
22. J. Balogh, P. Hu, B. Lidický, O. Pikhurko, B. Udvari, J. Volec: *Minimum number of monotone subsequences of length 4 in permutations*, Combinatorics, Probability and Computing, **24** (2015), 658–679. [[arXiv](#)] [[doi](#)]
21. J. Balogh, P. Hu, B. Lidický, H. Liu: *Upper bounds on the size of 4- and 6-cycle-free subgraphs of the hypercube*, European J. of Combinatorics, **35** (2014), 75–85. [[arXiv](#)] [[doi](#)]
20. O.V. Borodin, Z. Dvořák, A.V. Kostochka, B. Lidický, M. Yancey: *Planar 4-critical graphs with four triangles*, European J. of Combinatorics, **41** (2014), 138–151. [[arXiv](#)] [[doi](#)]
19. Z. Dvořák, B. Lidický: *4-critical graphs on surfaces without contractible ( $\leq 4$ )-cycles*. SIAM J. Discrete Math., **28** (2014), 521–552. [[arXiv](#)] [[doi](#)]
18. O.V. Borodin, A.V. Kostochka, B. Lidický, M. Yancey: *Short proofs of coloring theorems on planar graphs*, European J. of Combinatorics, **36** (2014), 314–321. [[arXiv](#)] [[doi](#)]
17. B. Lidický, H. Liu, C. Palmer: *On the Turán number of forests*, Electronic Journal of Combinatorics, **20-2** (2013) P62. [[arXiv](#)] [[doi](#)]
16. S. Har-Peled, B. Lidický: *Peeling the Grid*, SIAM J. Discrete Math. **27** (2013), 650–655. [[arXiv](#)] [[doi](#)]

15. V. Jelínek, E. Jelínková, J. Kratochvíl, B. Lidický, M. Tesař, T. Vyskočil: *The Planar Slope Number of Planar Partial 3-Trees of Bounded Degree*, *Graphs and Combinatorics* **29-4** (2013), 981–1005. [[arXiv](#)] [[doi](#)]
  - Also at *Graph Drawing 2009*, *Lecture Notes in Computer Science* **5849** (2010), 304–314. [[doi](#)]
14. Z. Dvořák, B. Lidický, R. Škrekovski: *Bipartizing fullerenes*, *European J. of Combinatorics* **33** (2012), 1286–1293. [[arXiv](#)] [[doi](#)]
13. P. Golovach, B. Lidický, B. Martin, D. Paulusma: *Finding vertex-surjective graph homomorphisms*, *Acta Informatica* **49** (2012), 381–394. [[arXiv](#)] [[doi](#)]
  - Also at *CSR 2012 (International Computer Science Symposium in Russia)*, *Lecture Notes in Computer Science* **7353** (2012), 160–171. [[doi](#)]
12. J. Ekstein, P. Holub, B. Lidický: *Packing Chromatic Number of Distance Graphs*, *Discrete Applied Math.* **160** (2012), 518–524. [[arXiv](#)] [[doi](#)]
11. J. Fiala, P. Golovach, J. Kratochvíl, B. Lidický, D. Paulusma: *Distance Three Labelings of Trees*, *Discrete Applied Math.* **160** (2012), 764–779. [[doi](#)]
  - Also contains: P. Golovach, B. Lidický, D. Paulusma:  *$L(2,1,1)$ -labeling is NP-complete for trees*, *Theory and Applications of Models of Computation (TAMC 2010)*, *Lecture Notes in Computer Science* **6108** (2010), 211–221. [[doi](#)]
10. J. Fiala, M. Kamiński, B. Lidický, D. Paulusma: *The  $k$ -in-a-path problem for claw-free graphs*, *Algorithmica* **62** (2012), 499–519. [[doi](#)]
  - Also at *STACS 2010*, *Proceedings of the 27th International Symposium on Theoretical Aspects of Computer Science*, *LIPIcs* **5** (2010), 371–382. [[arXiv](#)] [[doi](#)]
9. Z. Dvořák, B. Lidický, R. Škrekovski: *Graphs with two crossings are 5-choosable*, *SIAM Journal on Discrete Mathematics* **25** (2011), 1746–1753. [[arXiv](#)] [[doi](#)]
8. Z. Dvořák, B. Lidický, R. Škrekovski: *Randić index and the diameter of a graph*, *European Journal of Combinatorics* **32** (2011), 434–442. [[doi](#)]
7. R. Eрман, F. Havet, B. Lidický, O. Pangrác: *5-colouring graphs with 4 crossings*, *SIAM Journal on Discrete Mathematics* **25** (2011), 401–422. [[doi](#)]
6. Z. Dvořák, B. Lidický, R. Škrekovski: *3-choosability of triangle-free planar graphs with constraint on 4-cycles*, *SIAM Journal on Discrete Mathematics* **24** (2010), 934–945. [[doi](#)]
5. T. Kaiser, D. Král, B. Lidický, P. Nejedlý, R. Šámal: *Short cycle covers of graphs with minimum degree three*, *SIAM Journal on Discrete Mathematics* **24** (2010), 330–355. [[arXiv](#)] [[doi](#)]
4. Z. Dvořák, B. Lidický, R. Škrekovski: *On 3-choosability of plane graphs without 3-, 7- and 8-cycles*, *Discrete Mathematics* **309** (2009), 5899–5904. [[doi](#)]



3. K. Kawarabayashi, D. Král, J. Kynčl, B. Lidický: *6-critical graphs on the Klein bottle*, SIAM Journal on Discrete Mathematics **23** (2009), 372–383. [\[doi\]](#)
2. B. Lidický: *On 3-choosability of plane graphs having no 3-, 6-, 7- and 8-cycles*, Australasian Journal of Combinatorics **44** (2009), 77–86. [\[pdf\]](#)
1. J. Fiala, S. Klavžar, B. Lidický: *The packing chromatic number of infinite product graphs*, European Journal of Combinatorics **30** (2009), 1101–1113. [\[doi\]](#)

#### Papers in refereed conferences (without journal version)

10. J. Balogh, B. Lidický, S. Norin, F. Pfender, G. Salazar, S. Spiro: *Crossing numbers of complete bipartite graph*, XII Latin-American Algorithms, Graphs and Optimization Symposium (LAGOS 2023) Procedia Computer Science **223** (2023) 78–87. [\[doi\]](#)
9. J. Balogh, D. Dong, B. Lidický, N. Mani, Y. Zhao: *Nearly all  $k$ -SAT functions are unate*, 55th Annual ACM Symposium on Theory of Computing (STOCS 2023) 958–962. [\[arXiv\]](#) [\[doi\]](#)
8. P. Hu, B. Lidický, T. Martins, S. Norin, J. Volec: *Large multipartite subgraphs in  $H$ -free graphs*. At Eurocomb 2021. Trends in Mathematics, Springer International Publishing (2021) 707–713. [\[doi\]](#) [\[pdf\]](#)
7. J. Balogh, F. Clemen, B. Lidický: *Max Cuts in Triangle-free Graphs*. At Eurocomb 2021. Trends in Mathematics, Springer International Publishing (2021) 509–514. [\[doi\]](#) [\[arXiv\]](#)
6. Z. Dvořák, B. Lidický: *Independent sets near the lower bound in bounded degree graphs*. At STACS 2017 (Symposium on Theoretical Aspects of Computer Science). LIPIcs **66** (2017), 28:1–28:13. [\[doi\]](#) [\[pdf\]](#)
5. D. Nikovski, B. Lidický, W. Zhang, K. Kataoka, K. Yoshimoto: *Markov decision processes for train run curve optimization*, IEEE ESARS 2012 (Electrical System for Aircraft, Railway and Ship Propulsion). [\[doi\]](#)
4. O. Bílka, B. Lidický, M. Tesař: *Locally injective homomorphism to the simple Weight graphs*, Theory and Applications of Models of Computation (TAMC 2011), Lecture Notes in Computer Science **6648** (2011), 471–482. [\[doi\]](#)
3. B. Lidický, M. Tesař: *Complexity of locally injective homomorphism to the Theta graphs*, IWOCA 2010 (International Workshop on Combinatorial Algorithms), Lecture Notes in Computer Science **6460** (2010), 326–336. [\[doi\]](#)
2. A. Maitos, F. Jordán, B. Lidický, K. Kabele, P. Strachan: *Coupling building simulation with a hardware real-time controller*, Simulace budov a techniky prostředí 2010 (Simulations of buildings, technology and environment), ČVUT (2010), 115–120. [\[pdf\]](#)

1. V. Jelínek, E. Jelínková, J. Kratochvíl, B. Lidický: *Clustered Planarity: Embedded Clustered Graphs with Two-Component Clusters*, (Graph Drawing 2008), Lecture Notes in Computer Science **5417** (2009), 121–132. [doi]

### Papers submitted to refereed journals or conferences

1. Michelle Delcourt, Catherine Greenhill, Mikhail Isaev, Bernard Lidický, Luke Postle: *Decomposing random regular graphs into stars*, (2023) [arXiv]
2. Igor Araujo, Bryce Frederickson, Robert A. Krueger, Bernard Lidický, Tyrrell B. McAllister, Florian Pfender, Sam Spiro; Eric Nathan Stucky: *Triangle Percolation on the Grid*, (2023) [arXiv]
3. Caroline Bang, Zdeněk Dvořák, Emily Heath, Bernard Lidický: *Embedded graph 3-coloring and flow*, (2023) [arXiv]
4. J. Balogh, B. Domagoj. B. Lidický: *Weighted Turán theorems with applications to Ramsey-Turán type of problems*, (2023) [arXiv]
5. E.-K. Cho, I. Choi, B. Lidický, *Relaxation of Wegner’s Planar Graph Conjecture for maximum degree 4*, (2022) [arXiv]
6. Z. Dvořák, B. Lidický, L. Postle: *11/4-colorability of subcubic triangle-free graphs*, (2022). [arXiv]
7. D. Burke, B. Lidický, F. Pfender, M. Phillips: *Inducibility of 4-vertex tournaments*, (2021). [arXiv]

### Other unrefereed manuscripts

- J. Ekstein, J. Fiala, P. Holub, B. Lidický: *The packing chromatic number of the square lattice is at least 12*. Available at <https://arxiv.org/abs/1003.2291> (2010).
- P. Kolman, B. Lidický, J.-S. Sereni: *Fair Edge Deletion Problems on Tree-Decomposable Graphs and Improper Colorings*, available as ITI report 333 (2010). [pdf]
- N. Chenette, L. Postle, N. Streib, R. Thomas, C. Yerger, K. Kawarabayashi, D. Král, J. Kynčl, B. Lidický: *Six-Critical Graphs on the Klein Bottle* (Topological and Geometric Graph Theory 2008), Electronic Notes in Discrete Mathematics **31** (2008), 235–240. [doi]

### Editorial Service

- Member of editorial board of [SIAM Journal on Discrete Mathematics](#) Jan 2020–to date
- Associate Editor at [Discrete Mathematics](#) Nov 2020–to date

### Professional Service

- Organizer of annual Graduate Research Workshop in Combinatorics, Ames, IA; Laramie, WY; Denver, CO; Ames, IA; Lawrence, KS; virtual 2015–to date  
(lead organizer S. Butler, <http://combinatoricsworkshop.org>)
- Organizer of special session at AMS meeting #1189, Omaha (with S. Butler) 2023
- Organizer of [Flag Algebras Summer School](#), Ames, IA 2023
- Organizer of special session at AMS meeting #1182, Utah (with J. Balogh) 2022
- Main organizer of [5th annual Mostly Manitoba, Michigan and Minnesota Combinatorics Graduate Students Workshop](#), Ames, IA 2022
- Organizer of [Combinatorial Meeting of Prairie and Sky](#), virtual (with J. Balogh, E. Heath, B. Kruger, C. Palmer) 2022
- Organizer of special session at AMS meeting #1171, (with S. Butler) 2021
- Organizer of invited minisymposium at SIAM DM 2021, Spokane, Washington (with F. Pfender, virtual) 2021
- Organizer of [The First Central Cornfields Combinatorial Conference](#), virtual (with J. Balogh, E. Heath, B. Kruger) 2021
- Organizer of AIM SQuaRE “Crossing numbers of complete and complete bipartite graphs” (with J. Balogh and G. Salazar) 2021–2023
- Organizer of AIM Workshop “Postbaccalaureate and bridge programs in mathematics” (with M. Young and E. Zaslow) 2020
- Organizer of special session at AMS meeting #1150, (with J. Balogh) 2019
- Main organizer of [4th annual Mostly Manitoba, Michigan and Minnesota Combinatorics Graduate Students Workshop](#), Ames, IA 2018
- Organizer of a contributed minisymposium at SIAM conference on Discrete Math, Denver, CO (with S. Butler) 2018
- Organizer of special session at AMS meeting #1124, Raleigh, NC 2016  
(with S. Hartke)
- Organizer of a contributed minisymposium at SIAM conference on Discrete Math, Atlanta, GA (with M. Young) 2016
- Organizer of special session at AMS meeting #1110, Las Vegas, NV 2015  
(with D. Stolee)
- Organizer of conference Extremal Combinatorics at Illinois 2, Urbana, IL 2013  
(with J. Balogh, A. Kostochka, D. West)
- Organizer of Midsummer Combinatorial Workshop XVII, Prague 2011  
(with J. Kratochvíl, J. Nešetřil)
- Organizer of Spring School of Combinatorics, Czech Republic 2006, 2007  
(with J. Hladký, M. Krčál)
- Grant proposal review for National Science Foundation (USA), National Information Processing Institute – National Research Institute (Poland), Grant Agency of Charles University in Prague (Czech Republic), The Dutch Research Council (NWO)

### Institutional Service

- [Post-bac program](#) (director since 2021), ISU 2018–to date
- Post-tenure review committee, ISU 2023–2024
- LAS Faculty Development Committee, ISU 2019–2025
- Member of Faculty Review Board pool, ISU 2023–2025
- Executive committee for Math department, ISU 2019–to date
- Organizer of [Discrete Math seminar](#), ISU 2016–to date
- Faculty advisor to ISU ski club, ISU 2022–to date
- Member of sixteen doctoral committees, ISU 2015–to date
- Administrator of teaching material repository for Math department, ISU 2015–to date
- External member of four doctoral committees, CU Denver 2016–to date
- Tenure committee for Math department, ISU 2022, 2023
- Undergraduate committee at Math department, ISU (chair 2019–2020) 2018–2020
- Untenured faculty review committee, ISU 2019–2021
- Preliminary review committee for Math department, ISU 2019, 2021
- Graduate Qualifying exam committee for Math department, ISU 2018–2022
- Faculty search committee for Math department, ISU 2018–2019
- Lecturer review committee for Math department, ISU 2018–2019
- Advisory committee for Math department, ISU 2016–2017
- Awards committee for Math department, ISU 2015–2016
- Co-organizer of Graph Theory seminar, UIUC 2012–2014
- Member of six thesis defense committees, UIUC 2012–2014
- Member of nine prelim exam committees, UIUC 2011–2014
- Graduate coordinator for Research Experience for Undergraduates, Rutgers University, USA 2010

### Patents

- US patent 8,938,348 *Method for Optimizing Run Curve of Vehicles*, (joint with D. Nikovski) [\[pdf\]](#) 2015

### Invited Graduate School Lectures

- RTG Summer School (10 lectures and 10 recitations), University of Illinois, Urbana-Champaign, *Flag Algebras Summer School* Jun 2021
- Guest lecturer, University of Illinois, Urbana-Champaign (3 hours of lectures), *Flag Algebras Method* Mar 2018
- International Research School on Graph Limits (11 hours of lectures), Lyon, France, *Flag Algebras Method* Jan 2018

**Selected Invited Conference Talks**

1. Foundations of Computational Mathematics, Paris, France, *Flag Algebras and Weighted Turán problems with applications to Ramsey-Turán questions* Jun 2023
2. Extremal Combinatorics in Illinois IV, Urbana, IL, *Almost all  $k$ -SAT functions are unate* May 2023
3. CombinaTexas: Combinatorics in the South-Central U.S., College Station, TX, *Application of Flag Algebras* Apr 2023
4. 2020 One day Meeting on Extremal Combinatorics, Seoul, South Korea, *Decomposing graphs into edges and triangles* Jan 2020
5. 6th Lake Michigan Workshop on Combinatorics and Graph Theory, Kalamazoo, MI, *Introduction to flag algebras and their applications ( $3 \times 50$  min)* Apr 2019
6. Atlanta Lecture Series XXIII, Atlanta, GA, *Decomposing graphs into edges and triangles (50 min)* Mar 2019
7. Cycles and Colourings, Nový Smokovec, Slovakia, *3-coloring triangle-free planar graphs (50min plenary)* Sep 2016
8. Extremal Combinatorics at Illinois III, Chicago, IL, USA, *Decomposing Random  $d$ -regular Graphs Into Stars* Aug 2016
9. Czech-Slovak Graph Theory Conference, Boží Dar, Czech Republic, *Flag algebra and some applications (50min plenary)* Jun 2015
10. Atlanta Lecture Series, Atlanta, GA, USA, *Upper bounds on small Ramsey numbers* Feb 2015

**Invited Conference Talks**

1. Workshop on Graph Drawing and Intersection Graphs 2023, San Diego, CA, *Crossing numbers and flag algebra.* Jan 2024
2. JMM 2023, San Francisco, CA, *Nearly all  $k$ -SAT functions are unate* Jan 2024
3. AMS meeting #1184, Atlanta, GA, *Nearly all  $k$ -SAT functions are unate* Mar 2023
4. Joint Math Meeting, Boston, MA, *Turán type problems in  $\ell_2$ -norm* Jan 2023
5. AMS meeting #1182, Salt Lake City, UT, *Tuán type problems in  $\ell_2$ -norm* Oct 2022
6. AMS meeting #1177, West Lafayette, IN (virtual), *Shortening Universal Cycles for Permutations* Mar 2022
7. SIAM DM 2021, virtual, *Maximizing five-cycles in  $K_r$ -free graphs* Jul 2021
8. SIAM TXLA meeting, Virtual, *Fractional coloring in planar graphs* Oct 2020
9. AMS meeting #1161, Virtual,  *$11/4$ -colorability of subcubic triangle-free graphs* Oct 2020
10. CanaDAM, Vancouver, BC, Canada, *Coloring Count Cones of Planar Graphs* May 2019
11. AMS meeting #1143, Ann Arbor, MI, USA, *Decomposing graphs into edges and triangles* Oct 2018
12. SIAM conference on Discrete Mathematics '18, Denver, CO, USA, *Polychromatic Colorings of Complete Graphs with Respect to 1-,2-factors and Hamiltonian Cycles* Jun 2018

13. AMS meeting #1132, Buffalo, NY, USA, *On facial unique-maximum (edge-)coloring* Sep 2017
14. Mostly Manitoba, Michigan, and Minnesota Combinatorics Graduate Student Workshop, Duluth, MN, USA, *Small Ramsey Numbers* Apr 2017
15. AMS meeting #1127, Bloomington, IN, USA, *Independent sets near the lower bound in bounded degree graphs* Apr 2017
16. AMS meeting #1123, Minneapolis, MN, USA, *Independent sets near the lower bound in bounded degree graphs* Oct 2016
17. AMS meeting #1122, Denver, CO, USA, *Decomposing Random  $d$ -regular Graphs Into Stars* Oct 2016
18. SIAM conference on Discrete Mathematics '16, Atlanta, GA, USA, *Precoloring extension for planar graphs* Jun 2016
19. Canadian Math. Society winter meeting 2015, Montreal, QC, Canada, *Inducibility of Short Cycles* Dec 2015
20. AMS meeting #1112, Chicago, IL, USA, *Precoloring extension for planar graphs* Oct 2015
21. AMS meeting #1108, East Lansing, MI, USA, *Using flag algebras on small Ramsey numbers* Mar 2015
22. AMS meeting #1102, Eau Claire, WI, USA, *Rainbow triangles in 3-edge-colored graphs* Sep 2014
23. SUMMIT 190: Balogh, Csaba, Hajnal, and Pluhár are 190, Szeged, Hungary, *Flag Algebras and Iterated Blow-ups* Jul 2014
24. SIAM conference on Discrete Mathematics '14, Minneapolis, MN, USA, *Rainbow triangles in 3-edge-colored graphs* Jun 2014
25. 1<sup>st</sup> Lake Michigan Workshop on Combinatorics and Graph Theory, Kalamazoo, MI, USA, *Monotone subsequences in permutations* Mar 2014
26. Atlanta Lecture Series, Atlanta, GA, USA, *Number of monotone subsequences of length four in permutations* Jan 2014
27. Joint Math Meeting, Baltimore, MD, USA, *Use of flag algebras with permutations* Jan 2014
28. AMS meeting #1092, Louisville, KY, USA, *3-coloring triangle-free planar graphs with a precolored 8-cycle* Oct 2013
29. AMS meeting #1089, Boulder, CO, USA, *Short proofs of coloring theorems on planar graphs* Apr 2013
30. AMS meeting #1087, Oxford, MS, USA, *Short proofs of coloring theorems on planar graphs* Mar 2013
31. SIAM conference on Discrete Mathematics '12, Halifax, NS, Canada, *4-critical graphs on surfaces without contractible cycles of length at most 4* Jun 2012
32. SIAM conference on Discrete Mathematics '12, Halifax, NS, Canada,  *$L(2,1,1)$ -labeling is NP-complete for trees* Jun 2012
33. AMS meeting #1080, Washington DC, USA, *Upper bounds on the size of 4- and 6-cycle-free*

- subgraphs of the hypercube* Mar 2012
34. 7<sup>th</sup> Slovenian International Conference on Graph Theory, Bled, Slovenia, *Packing Coloring and Grids* Jun 2011

### Contributed Talks

1. XII Latin-American Algorithms, Graphs and Optimization Symposium, Huatulco, Mexico, *Crossing numbers of complete bipartite graphs* Sep 2023
2. 53rd Southeastern International Conference on Combinatorics, Graph Theory & Computing, Boca Raton, FL, *Maximum Number of Almost Similar Triangles in the Plane* Mar 2022
3. WaterColor, Waterloo, ON, Canada, *Coloring Count Cones of Planar Graphs* Sep 2019
4. 47th Southeastern International Conference on Combinatorics, Graph Theory & Computing, Boca Raton, FL, USA, *Inducibility of Short Cycles* Mar 2016
5. 25th International Workshop on Combinatorial Algorithms, Duluth, MN, USA, *3-coloring triangle-free planar graphs with a precolored 9-cycle* Oct 2014
6. 27<sup>th</sup> Cumberland Conference on Combinatorics, Graph Theory & Computing, Morgantown, WV, USA, *On the Tree Search Problem with Non-uniform Costs* May 2014
7. 7<sup>th</sup> Symposium on Graph Theory, Combinatorics, Algorithms and Applications, Košice, Slovakia, *4-critical planar graphs with four triangles* Jul 2013
8. Midwest Graph Theory Conference LIV, Oxford, OH, USA, *3-coloring planar graphs with four triangles* Apr 2013
9. Midwest Graph Theory Conference LIII, Ames, IA, USA, *4-critical graphs on surfaces without contractible cycles of length at most 4* Sep 2012
10. 25<sup>th</sup> Cumberland Conference, Johnson City, TN, USA, *The planar slope-number of planar partial 3-trees of bounded degree* May 2012
11. CanaDAM, Victoria, BC, Canada, *List coloring and crossings* May 2011
12. Cycles and Colourings, Tatranská Štrba, Slovakia, *Packing chromatic number for square and hexagonal lattices* Sep 2010
13. SIAM conference on Discrete Mathematics '10, Austin, TX, USA, *5-coloring graph with 4 crossing* Jun 2010
14. Algebraic, Topological and Complexity Aspects of Graph Covers 2010, Auckland, New Zealand, *Dichotomy for locally injective homomorphism to simple weight graph* Feb 2010
15. Joint Mathematical Conference CSASC 2010, Prague, Czech Republic, *k-in-a-path on claw-free graphs* Jan 2010
16. CanaDAM 2009, Montreal, QC, Canada, *On 3-choosability of triangle-free planar graphs* May 2009
17. Cycles and Colourings, Tatranská Štrba, Slovakia, *Shortest cycle cover of graphs with minimum degree three* Sep 2008
18. Cycles and Colourings, Tatranská Štrba, Slovakia, *Packing chromatic number for lattices* Sep 2007

19. Midsummer Combinatorial Workshop, Prague, Czech Republic, *6-critical graphs in the Klein bottle* Jun–Jul 2007
20. Winter School on Combinatorics, Finse, Norway, *Discharging and list coloring* Mar 2007

### Colloquia Talks

1. University of Illinois, Urbana-Champaign, IL, USA, *Flag Algebras and Applications* Sep 2021
2. University of Minnesota, Duluth, MN, USA, *Triangles and 3-coloring of Planar Graphs* Feb 2016
3. Michigan Technological University, Houghton, MI, USA, *Flag Algebras and Applications to Permutations* Nov 2014
4. Miami University, Oxford, OH, USA, *Flag algebras and its applications* Dec 2013

### Seminar Talks

1. University of Illinois, Urbana-Champaign, IL, USA Apr 2023
2. Karlsruhe Institute of Technology, Germany, (online) Feb 2023
3. Middle Tennessee State University, Murfreesboro, TN, USA Apr 2022
4. Warwick DIMAP seminar, online Feb 2022
5. Extremal and probabilistic combinatorics webinar, online Nov 2021
6. University of Illinois, Urbana-Champaign, IL, USA Oct 2021
7. Texas State, San Marcos, TX (online) Aug 2021
8. Georgia Tech, Atlanta, GA (online) Apr 2021
9. Shanghai Center for Mathematical Sciences, Shanghai, China (online) Mar 2021
10. Czech Technical University, Prague, Czech Republic (online) Mar 2021
11. University of Bordeaux, Bordeaux France (online) Jan 2021
12. University of Illinois, Urbana-Champaign, IL, USA (online) Jun 2020
13. University of Colorado Denver, Denver, CO, USA Jul 2019
14. University of Illinois, Urbana-Champaign, IL, USA Jun 2019
15. Hankuk University of Foreign Studies, Yongin-si, South Korea Apr 2018
16. Princeton University, Princeton, NJ, USA Mar 2018
17. University of Illinois, Urbana-Champaign, IL, USA Mar 2018
18. Western Michigan University, Kalamazoo, MI, USA Nov 2017
19. Charles University, Prague, Czech Republic Jun 2017
20. KAIST, Daejeon, South Korea Mar 2017
21. Charles University, Prague, Czech Republic Sep 2016
22. University of Colorado Denver, Denver, CO, USA Apr 2016
23. University of Colorado Denver, Denver, CO, USA Jul 2015



24. University of Waterloo, Waterloo, Canada	<i>Jun 2015</i>
25. University of West Bohemia, Pilsen, Czech Republic	<i>May 2015</i>
26. University of Illinois at Urbana-Champaign, Urbana, IL, USA	<i>Mar 2015</i>
27. University of Colorado Denver, Denver, CO, USA	<i>Mar 2014</i>
28. Miami University, Oxford, OH, USA	<i>Dec 2013</i>
29. University of Szeged, Szeged, Hungary	<i>Jul 2013</i>
30. Arizona State University, Tempe, AZ, USA	<i>Jun 2013</i>
31. Simon Fraser University, Vancouver, BC, Canada	<i>May 2013</i>
32. University of Illinois at Chicago, Chicago, IL, USA	<i>Apr 2013</i>
33. Georgia Institute of Technology, Atlanta, GA, USA	<i>Mar 2013</i>
34. Emory University, Atlanta, GA, USA	<i>Mar 2013</i>
35. Illinois State University, Bloomington-Normal, IL, USA	<i>Oct 2012</i>
36. Charles University, Prague, Czech Republic	<i>Jan 2012</i>
37. Mitsubishi Electric Research Laboratories, Cambridge, MA, USA	<i>Mar 2011</i>
38. Durham University, Durham, United Kingdom	<i>Nov 2009</i>
39. INRIA, Nice, France	<i>Dec 2007</i>
40. University of Ljubljana, Ljubljana, Slovenia	<i>May 2007</i>

### Internal Seminar Talks

- Iowa State University 6×
- University of Illinois at Urbana-Champaign 8×

### Professional Society Memberships

- [American Mathematical Society](#) (lifetime) *since 2019*
- [Society for Industrial and Applied Mathematics](#) (lifetime) *since 2018*
- [Institute of Combinatorics and its Applications](#) (lifetime) *since 2021*
- [Mathematical Association of America](#) (lifetime) *since 2022*
- [American Association for the Advancement of Science](#) *since 2023*

### Teaching Experience

Evaluations from ISU available at <https://lidicky.name/oldteaching/>

*Instructor (at ISU, Iowa):*

- *DS 201 - Introduction to Data Science* *fall 2022*
- *MATH 143 - Precalculus* *winter 2020/1*
- *MATH 165 - Calculus 1* *fall 2016, 2018, 2021*

- MATH 166 - Calculus 2 spring 2022
- MATH 201 - Introduction to Proofs spring 2015(2×)
- MATH 304 - Combinatorics fall 2015
- MATH 314 - Graph Theory spring 2016
- MATH 492 - Undergraduate Seminar fall 2016
- MATH 566 - Discrete Optimization (graduate course) fall 2015, 2016, 2018, 2022
- MATH 567 - Graph Theory (graduate course) fall 2021
- MATH 569x - Introduction to Discrete Mathematics (graduate course) spring 2020
- MATH 608 - Extremal Graph Theory (graduate course) spring 2018
- MATH 680D - Graph Coloring (graduate course) fall 2020

Instructor (at UIUC, Illinois):

- MATH 213 - Basic Discrete Mathematics spring 2012
- MATH 413 - Introduction to Combinatorics spring 2012, 2013, 2014(2×)
- MATH 484 - Nonlinear Programming fall 2011, 2012, 2013
- MATH 589 - Nonlinear Programming (graduate course) fall 2012
- MATH 598 - Literature Seminar in Math (graduate course) spring 2012

Teaching assistant (at Charles University, Prague):

- Algorithms and Data Structures I spring 2009
- Combinatorics and Graph Theory II fall 2008, 2009
- Combinatorics and Graph Theory III fall 2010
- Discrete mathematics fall 2005
- Linear Algebra I fall 2007, 2008
- Linear Algebra II spring 2008, 2009, 2010
- Mathematical skills fall 2009

### Advising and mentoring

Advised graduate students (at ISU, Iowa):

1. Christian McRoberts *PhD* expected 2024
2. Caroline Bang *PhD*, coadvised with J. Smith, Quantitative Model Analyst Assistant VP at US Bank [\[graduation\]](#) spring 2023
3. Alejandra Marcelino *MS* summer 2022
4. Kyle Murphy *PhD*, data scientist at Marriott Hotels [\[graduation\]](#) Spring 2021
5. Adam Blumenthal *PhD* coadvised with M. Young, Assistant Professor at [Westminster College](#) Summer 2020
6. Kacy Messerschmidt *PhD*, Game Mathematician III at [IGT](#) [\[graduation\]](#) Summer 2018

7. Neha Bora *MS*, currently Data Scientist at [Capital One](#) Summer 2017
8. Kevin Moss *PhD* coadvised with S. Butler, Data Engineer at Facebook Spring 2017

*Postdoctoral Mentor (at ISU, Iowa):*

- Anastasia Halfpap 2023–2025
- [Emily Heath](#) (co-mentored with R. Martin), will be Assistant Professor at Cal Poly Pomona 2021–2024
- [Rachel Kirsch](#), currently Assistant Professor at George Mason University 2020–2021