

CONTACT INFORMATION	Department of Industrial & Systems Engineering Herbert Wertheim College of Engineering 303 Weil Hall, P.O. Box 116595 Gainesville, FL 32611-6595, USA	Website akazachk.github.io Email akazachkov@ufl.edu Office 401B Weil Hall Phone +1.352.273.4902
RESEARCH INTERESTS	Discrete optimization, including theoretical, methodological, and applied aspects, with an emphasis on developing better <i>cutting plane</i> techniques and open-source computational contributions Computational economics, particularly on the fair allocation of indivisible resources and fair mechanism design Nonprofit and public sector applications, such as humanitarian logistics, donation distribution, kidney exchange markets, and unit commitment in power systems	
ACADEMIC POSITIONS	University of Florida, Department of Industrial & Systems Engineering, Gainesville, FL, USA Assistant Director, Center for Applied Optimization September 2021 – Present Assistant Professor January 2021 – Present Courtesy Assistant Professor March 2020 – December 2020 Polytechnique Montréal, Department of Mathematics and Industrial Engineering, Montréal, QC, Canada Postdoctoral Researcher under Andrea Lodi May 2018 – December 2020	
EDUCATION	Carnegie Mellon University, Tepper School of Business, Pittsburgh, PA, USA Ph.D. in Algorithms, Combinatorics, and Optimization under Egon Balas May 2018 Dissertation: <u>Non-Recursive Cut Generation</u> M.S. in Algorithms, Combinatorics, and Optimization May 2013 Cornell University, College of Engineering, Ithaca, NY, USA B.S. in Operations Research and Engineering with Honors, <i>Magna Cum Laude</i> May 2011	
JOURNAL PUBLICATIONS	Asterisk * indicates student coauthors. Two asterisks ** mark undergraduate / masters students. <u>PhD student*</u> advisees are underlined. The publication practice followed is usually alphabetical order. [1] A.M. Kazachkov, S. Nadarajah, E. Balas, and F. Margot. “Partial Hyperplane Activation for Generalized Intersection Cuts”, <i>Mathematical Programming Computation</i>, 12(1), 69–107, 2020. https://doi.org/10.1007/s12532-019-00166-2 [2] S.S. Dey, A.M. Kazachkov, A. Lodi, and G. Muñoz. “Cutting Plane Generation Through Sparse Principal Component Analysis”, <i>SIAM Journal on Optimization</i>, 32(2), 1319–1343, 2022. https://doi.org/10.1137/21M1399956 [3] G. Benadè, A.M. Kazachkov, A.D. Procaccia, A. Psomas, and D. Zeng. “Fair and Efficient Online Allocations”, <i>Operations Research</i>, 72(4), 1438–1452, 2024. https://doi.org/10.1287/opre.2022.0332 [4] A.M. Kazachkov, P. Le Bodic, and S. Sankaranarayanan. “An Abstract Model for Branch and Cut”, <i>Mathematical Programming</i>, 206, 175–202, 2024. http://doi.org/10.1007/s10107-023-01991-z (Extension of IPCO 2022 version.) [5] A.M. Kazachkov and E. Balas. “Monoidal Strengthening of Simple $\mathcal{V}$-Polyhedral Disjunctive Cuts”, <i>Mathematical Programming</i>, 210, 567–590, 2025. https://doi.org/10.1007/s10107-024-02185-x (Extension of IPCO 2023 version.) [6] E. Balas and A.M. Kazachkov. “$\mathcal{V}$-Polyhedral Disjunctive Cuts”, <i>Mathematical Programming</i>, 215, 507–537, 2026. https://doi.org/10.1007/s10107-025-02227-y	

CONFERENCE PUBLICATIONS	[7] P.I. Frazier and A.M. Kazachkov. “Guessing Preferences: A New Approach to Multi-Attribute Ranking and Selection”, <i>Winter Simulation Conference</i>, 2011. https://doi.org/10.1109/WSC.2011.6148119 [8] J. Karp, A.M. Kazachkov, and A.D. Procaccia. “Envy-Free Division of Sellable Goods”, <i>AAAI Conference on Artificial Intelligence</i>, 2014. https://doi.org/10.1609/aaai.v28i1.8815 [9] J.P. Dickerson, A.M. Kazachkov, A.D. Procaccia, and T. Sandholm. “Small Representations of Big Kidney Exchange Graphs”, <i>AAAI Conference on Artificial Intelligence</i>, 2017. https://doi.org/10.1609/aaai.v31i1.10593 Also appears at: • Workshop on AI and OR for Social Good (AIORSocGood), AAAI 2017 • Exploring Beyond the Worst Case in Computational Social Choice (EXPLORE) Workshop, AAMAS 2016 [10] G. Benadè, A.M. Kazachkov, A.D. Procaccia, and C.-A. Psomas. “How to Make Envy Vanish Over Time”, <i>ACM Conference on Economics and Computation</i>, 2018. https://dl.acm.org/doi/abs/10.1145/3219166.3219179 [11] A.M. Kazachkov and S. Vardi. “On Tanking and Competitive Balance”, <i>Conference on Algorithmic Decision Theory</i>, 2019. (Peer-reviewed nonproceedings track.) [12] A.M. Kazachkov, P. Le Bodic, and S. Sankaranarayanan. “An Abstract Model for Branch-and-Cut”, <i>Conference on Integer Programming and Combinatorial Optimization</i>, 2022. https://doi.org/10.1007/978-3-031-06901-7_25 [13] A.M. Kazachkov and E. Balas. “Monoidal Strengthening of Simple $\mathcal{V}$-Polyhedral Disjunctive Cuts”, <i>Conference on Integer Programming and Combinatorial Optimization</i>, 2023. https://doi.org/10.1007/978-3-031-32726-1_20 [14] B. Han* and A.M. Kazachkov. “The Strength of Root Cuts in an Extended Abstract Branch-and-Cut Model”. <i>Conference on Integer Programming and Combinatorial Optimization</i>, 2026.
OTHER PUBLICATIONS / WRITING	[15] A.M. Kazachkov. “Research Highlight: $\mathcal{V}$-Polyhedral Disjunctive Cuts”. <i>INFORMS Computing Society Newsletter</i>, Spring 2019. [16] A.M. Kazachkov and E.B. Khalil. “Discrete Optimization Talks (DOTs), One Year Later”, <i>IFORS News</i>, 16:1, March 2021. ISSN 2223-4373. [17] A.M. Kazachkov and F. Serrano. “Monoidal Cut Strengthening”. <i>Encyclopedia of Optimization</i>. 2023. https://doi.org/10.1007/978-3-030-54621-2_758-1
UNDER REVIEW	[18] O. Guaje*, A. Deza**, A.M. Kazachkov, and E.B. Khalil. “Machine Learning for Optimization-Based Separation of Mixed-Integer Rounding Cuts”. Submitted. [19] M.J. Ota*, R. Fukasawa, and A.M. Kazachkov. “Approximating Value Functions via Corner Benders Cuts”. Submitted.
WORKING PAPERS	[20] C. Johnston* and A.M. Kazachkov. “Symmetrically Fair Allocation of Indivisible Goods”. <i>arXiv</i>. 2024. https://doi.org/10.48550/arXiv.2406.13824 [21] S. Kelley*, A.M. Kazachkov, and T.K. Ralphs. “Parametric Disjunctive Cuts for Sequences of Mixed Integer Linear Optimization Problems”.
SOFTWARE	[22] $\mathcal{V}$-Polyhedral Disjunctive Cuts, https://doi.org/10.5281/zenodo.14340371 [23] Monoidal Strengthening of Simple $\mathcal{V}$-Polyhedral Disjunctive Cuts, https://doi.org/10.5281/zenodo.14961496 [24] UnitCommitment.jl, https://doi.org/10.5281/zenodo.4269874

SELECTED HONORS AND AWARDS	GERAD Postdoctoral Fellowship	2019
	INFORMS Computing Society Student Paper Award for “ $\mathcal{V}$ -Polyhedral Disjunctive Cuts”	2018
	Honorable Mention Poster Prize at the Mixed Integer Programming Workshop 2016	2016
	Most Visionary Paper Award for “Small Representations of Big Kidney Exchange Graphs” (with Dickerson, Procaccia, and Sandholm) at the EXPLORE Workshop at AAMAS 2016	2016
	Best Poster Prize at the Mixed Integer Programming Workshop 2014	2014
	Zoltners Fellowship	2011–2013
	William Larimer Mellon Fellowship	2011–2016
	Omega Rho Honor Society	2010
	Engineering Global Fellow	2009
	Robert C. Byrd Scholarship	2007
	The New York State Society of Professional Engineers Scholarship	2007
	Toshiba ExploraVision National Competition Honorable Mention	2004
FUNDING	National Science Foundation (NSF), Award # 2441467, “CAREER: Disjunctive Cutting Plane Selection via Machine Learning for Mixed Integer Programming”, \$550,213, PI, May 1, 2025 – Apr 30, 2030	
	Air Force Office of Scientific Research (AFOSR), Award # FA9550-23-1-0340, “Efficiently Strengthening Disjunctive Cutting Planes”, \$304,355, PI, Jul 2023 – Jul 2026	
	UF Informatics Institute SEED Fund, “A Fair and Efficient System for Allocating Food Bank Resources Through a Joint Prediction and Discrete Optimization Framework”, \$30,000, PI, Sep 2022 – Sep 2023	
STUDENTS	Doctoral Students	
	Zixuan Feng, University of Florida, Industrial & Systems Engineering	Fall 2023 –
	Boyang Han, University of Florida, Industrial & Systems Engineering	Fall 2023 –
	Connor Johnston, University of Florida, Industrial & Systems Engineering	Fall 2023 –
	Mohammad Amini, University of Florida, Industrial & Systems Engineering	Spring 2023 –
	<i>Coadvised with Mostafa Reisi</i>	
	Master’s Thesis Committee Chair	<i>Defended</i>
	Ambareesh Vaidya, University of Florida, Industrial & Systems Engineering	2022
	Cam Maddalone, University of Florida, Industrial & Systems Engineering	2021
	Undergraduate Thesis Committee Chair	
	Victoria Zbierowski, University of Florida, Industrial & Systems Engineering	Dec 2025
	Andres Espinosa, University of Florida, Industrial & Systems Engineering	Apr 2025
	Margarita Castañeda, University of Florida, Industrial & Systems Engineering	Dec 2022
	Doctoral Committee Member	
	Param Gupta, University of Florida, Computer & Information Science & Engineering	TBD
	Weihang Ren, University of Florida, Industrial & Systems Engineering	TBD
	Prathamesh Khandekar, University of Florida, Chemical Engineering	TBD
	Luke Fina, University of Florida, Mechanical & Aerospace Engineering	Est. 2026
	Ovidiu Nechita, University of Florida, Mathematics	2025
	Victoria G. Crawford, University of Florida, Computer & Information Science & Engineering	2022
	Maya Aghaee, University of Florida, Mathematics	2022
	Undergraduate Research (No Thesis)	<i>Time Period</i>
	Kausthubh Konuru, University of Florida, Computer Science (Among 23 students selected for HWCOE 2024–25 University Scholars Program)	2023–2026
	Undergraduate Thesis Committee Member	
	Ava Hajar, University of Florida, Industrial & Systems Engineering	May 2026

TEACHING
EXPERIENCE

Instructor

- ESI 4614 Decision Analytics Design, undergraduate elective, UF ISE *Spring 2026*
- ESI 4611 Advanced Data Analytics, undergraduate elective, UF ISE *Fall 2025*
- ESI 6448 Discrete Optimization Theory, graduate elective, UF ISE *Spring 2025*
- ESI 4611 Advanced Data Analytics, undergraduate elective, UF ISE *Spring 2024*
- EIN 6905 Decision Analytics Design, graduate elective, colisted with ESI 4614, UF ISE *Fall 2023*
- ESI 4614 Decision Analytics Design, (new) undergraduate elective, UF ISE *Fall 2023*
- EIN 6905 Data Analytics for Social Good, graduate elective, colisted with ESI 4611, UF ISE *Spring 2023*
- ESI 4611 Advanced Data Analytics, undergraduate elective, UF ISE *Spring 2023*
- ESI 6448 Discrete Optimization Theory, graduate elective, UF ISE *Fall 2022*
- EIN 6905 Data Analytics for Social Good, graduate elective, colisted with ESI 4611, UF ISE *Spring 2022*
- ESI 4611 Advanced Data Analytics, undergraduate elective, UF ISE *Spring 2022*
- ESI 6417 Linear Programming & Network Optimization, Ph.D. core course, UF ISE *Spring 2021*
- 70-460 Mathematical Models for Consulting, undergraduate business elective, CMU *Fall 2014*

Training

- HWCoe Research Mentor Training, UF *Spring 2023*
- First-Year Faculty Teaching Academy, UF *Summer 2021*
- Future Faculty Program, CMU *2018*

Teaching Assistant

- 47-830 Integer Programming, Ph.D. core course, CMU *2015, 2017*
- 47-831 Advanced Integer Programming, Ph.D. core course, CMU *2013, 2015, 2017*
- 47-861 Convex Polyhedra, Ph.D. elective, CMU *2016*
- 47-835 Graph Theory, Ph.D. core course, CMU *2012, 2015*
- 47-836 Networks and Matchings, Ph.D. core course, CMU *2015*
- 21-366 Combinatorial Optimization, mathematics undergraduate elective, CMU *2014*
- 45-750 Probability and Statistics, MBA core course, CMU *2013*
- 45-751 Optimization, Recitation Leader, MBA core course, CMU *2012–2013*
- Multiple core undergraduate courses, Cornell ORIE *2010*

Facilitator for Academic Excellence Workshop, Calculus I for Engineers, Cornell *2008*

UPCOMING
TALKS

INFORMS Optimization Society Conference, March 20–22, 2025, Invited Talk, “Scaling the Simple Disjunctive Cut Principle”

TALKS

51. The Ohio State University, Columbus, OH, USA, November 5, 2025, Invited Talk, “Efficiently Generating Valid Inequalities from Simple Disjunctions”
50. INFORMS 2025, Atlanta, GA, USA, October 2025, Invited Talk, “Scaling the Simple Disjunctive Cut Principle”
49. INFORMS 2024, Seattle, WA, USA, October 2024, Invited Talk, “Corner Benders Cuts for Linear Programs with Network Flow Substructures”
48. SUNY Stony Brook University, Stony Brook, NY, USA, September 13, 2024, Invited Talk, “Corner Benders Cuts Applied to the Vehicle Routing Problem with Stochastic Demands”
47. University of Tennessee, Knoxville, Industrial and Systems Engineering, Knoxville, TN, USA, May 3, 2024, Invited Talk, “Symmetrically Fair Allocation of Indivisible Goods”
46. INFORMS 2023, Phoenix, AZ, USA, October 2023, Invited Talk, “Decomposition-Based Disjunctive Cuts”
45. IPCO 2023, Madison, Wisconsin, USA, June 2023, Presentation of Accepted Paper, “Monoidal Strengthening of Simple $\mathcal{V}$ -Polyhedral Disjunctive Cuts”
44. Texas Tech University, Industrial, Manufacturing & Systems Engineering, Virtual, April 18, 2023, Invited Talk, “Monoidal Strengthening of Simple $\mathcal{V}$ -Polyhedral Disjunctive Cuts”
43. Aussois Combinatorial Optimization Workshop 2023, Aussois, France, January 2023, Short Presentation, “Challenges and Experiments with Monoidal Strengthening of $\mathcal{V}$ -Polyhedral Disjunctive Cuts”
42. Workshop on Data Science for Real-Time Decision Making, Montréal, QC, Canada, August 16, 2022, Invited Talk, “An Abstract Model for Branch and Cut”
41. IPCO 2022, Eindhoven, The Netherlands, June 2022, Presentation of Accepted Paper, “An Abstract Model for Branch and Cut”
40. UF SIAM Gators Seminar, Virtual, March 22, 2022, Invited Talk, “Strengthening $\mathcal{V}$ -Polyhedral Disjunctive Cuts”

39. IOS 2022, Greenville, SC, USA, March 2022, Invited Talk, "An Abstract Model for Branch and Cut"
38. ICS 2022, Tampa, FL, USA, January 2022, "Strengthening $\mathcal{V}$ -Polyhedral Disjunctive Cuts"
37. INFORMS 2021, Anaheim, CA, USA, October 2021, Invited Talk, "An Abstract Branch-and-Cut Model"
36. Workshop on Cutting Planes, Virginia Tech, Blacksburg, VA, USA, August 20, 2021, Invited Tutorial, "Towards More Practical Stronger Cutting Plane Methods"
35. MIP 2021, Virtual (recording available), May 2021, Invited Talk, "Strengthening $\mathcal{V}$ -Polyhedral Disjunctive Cuts"
34. UF Seminar on Applied and Numerical Analysis, Virtual, April 21, 2021, Invited Talk, "Cutting Plane Generation Through Sparse Principal Component Analysis"
33. GERAD Seminar: Séminaire "Un chercheur du GERAD vous parle!", Virtual (recording available), February 10, 2021, Invited Talk, "Towards More Practical Stronger Cutting Plane Methods"
32. INFORMS 2020, Virtual, November 2020, Invited Talk, "Learning About Unit Commitment Problems"
31. University of Florida, Industrial & Systems Engineering, Gainesville, FL, USA, February 27, 2020, Invited Talk, "Better and Fairer Decisions: New Frontiers in Cutting Planes and Mechanism Design"
30. Concordia University, Mechanical, Aerospace, and Industrial Engineering, Montréal, QC, Canada, February 20, 2020, Invited Talk, "Better and Fairer Decisions: New Frontiers in Cutting Planes and Mechanism Design"
29. Arizona State University, Tempe, AZ, USA, February 18, 2020, Invited Talk, "Better and Fairer Decisions: New Frontiers in Cutting Planes and Mechanism Design"
28. University of Pittsburgh, Industrial Engineering, Pittsburgh, PA, USA, January 29, 2020, Invited Talk, "Better and Fairer Decisions: New Frontiers in Cutting Planes and Mechanism Design"
27. Bucknell University, Lewisburg, PA, USA, December 9, 2019, Invited Talk, "Better and Fairer Decisions: New Frontiers in Cutting Planes and Mechanism Design"
26. University of Waterloo, Combinatorics & Optimization, Waterloo, ON, Canada, November 22, 2019, Invited Talk, "Disjunctive Cuts Through the $\mathcal{V}$ -Polyhedral Lens"
25. University of Toronto, Mechanical & Industrial Engineering OR Seminar, Toronto, ON, Canada, November 21, 2019, Invited Talk, "Disjunctive Cuts Through the $\mathcal{V}$ -Polyhedral Lens"
24. Conference on Data Science and Optimization, Fields Institute, Toronto, ON, Canada, November 20, 2019, Invited Talk, "Sparse Cutting Planes for Nonconvex Quadratically-Constrained Quadratic Programs"
23. Egon Balas Memorial Symposium, Pittsburgh, PA, USA, October 27, 2019, Invited Talk (recording available), "Disjunctive Cuts in the 21st Century"
22. Conference on Algorithmic Decision Theory (ADT) 2019, Durham, NC, USA, Presentation of Accepted Paper, "On Tanking and Competitive Balance"
21. INFORMS 2019, Seattle, WA, USA, Invited Talk, "On Tanking and Competitive Balance"
20. INFORMS 2019, Seattle, WA, USA, Invited Talk, "Sparse Cutting Planes for Nonconvex Quadratically-Constrained Quadratic Programs"
19. MINLP 2019, Montréal, QC, Canada, "Sparse Cutting Planes for Nonconvex Quadratically-Constrained Quadratic Programs"
18. Universidad Adolfo Ibañez, Santiago, Chile, September 24, 2019, Invited Talk, " $\mathcal{V}$ -Polyhedral Disjunctive Cuts"
17. First Discrete Optimization Day at Universidad de O'Higgins, Rancagua, Chile, September 23, 2019, Invited Talk, "Sparse Cutting Planes for Nonconvex Quadratically-Constrained Quadratic Programs"
16. Aussois Combinatorial Optimization Workshop 2019, Aussois, France, Short Presentation, "A Correspondence Between $\mathcal{V}$ -Polyhedral Cuts and Lift-and-Project Cuts"
15. INFORMS 2018, Phoenix, AZ, USA, Invited Talk, " $\mathcal{V}$ -Polyhedral Disjunctive Cuts"
14. Cornell Young Researchers Workshop, Ithaca, NY, USA, October 2018, Invited Talk, " $\mathcal{V}$ -Polyhedral Disjunctive Cuts"
13. ISMP 2018, Bordeaux, France, Invited Talk, "Computational Results with $\mathcal{V}$ -Polyhedral Cuts and Strengthening Approaches"
12. Lehigh University, Industrial & Systems Engineering, Bethlehem, PA, USA, June 12, 2018, Invited Talk, "Disjunctive Cuts Through the $\mathcal{V}$ -Polyhedral Lens"
11. INFORMS 2017, Houston, TX, USA, Invited Talk, " $\mathcal{V}$ -Polyhedral Cuts"
10. NemFest 2017, Atlanta, GA, USA, Poster, " $\mathcal{V}$ -Polyhedral Cuts"
9. Aussois Combinatorial Optimization Workshop 2017, Aussois, France, "From Final Point Cuts to $\mathcal{V}$ -Polyhedral Cuts"
8. INFORMS 2016, Nashville, TN, USA, Invited Talk, "Final Point Generalized Intersection Cuts"
7. EURO 2016, Poznań, Poland, "Final Point Generalized Intersection Cuts"
6. MIP 2016, Miami, FL, USA, Poster, "Cutting Planes by Tilting"
5. IOS 2016, Princeton, NJ, USA, "Final Point Generalized Intersection Cuts"
4. INFORMS 2015, Philadelphia, PA, USA, Invited Talk, "Feasible Versus Infeasible Intersection Points for Cut Generation"
3. ISMP 2015, Pittsburgh, PA, USA, "Partial Hyperplane Activation for Generalized Intersection Cuts"
2. INFORMS 2014, Charlotte, NC, USA, Invited Talk, "Computational Investigation of Generalized Intersection Cuts"
1. MIP 2014, Columbus, OH, USA, Poster, "Computational Investigation of Generalized Intersection Cuts"

Selected Service at the University of Florida

- University of Florida INFORMS Student Chapter, Faculty Advisor 2021–
INFORMS awarded the chapter Honorable Mention (2024, 2025) recognition
- EIN 6918: Graduate Seminar Organization 2022

Editorial Board (Associate Editor Positions)

- INFORMS Journal on Computing (Area: Computational Modeling and Applications) 2026–
- Mathematical Programming Computation 2025–
- INFORMS Journal on Computing (Area: Computational Modeling: Methods & Analysis) 2024–2025
- Computational Optimization and Applications 2022–

Conference/Workshop Chair

- Refereed Proceedings of the 2026 INFORMS Optimization Society Conference, Atlanta, GA, USA (Program Committee Co-Chair) 2026
- Mixed Integer Programming Workshop, Minneapolis, MN, USA 2025
- YinzOR Student Conference, Pittsburgh, PA, USA (Chair & Founder) 2017

Reviewer / Program Committee

Programs: Air Force Office of Scientific Research (2023, 2024), Office of Naval Research (2022)

Journals: Mathematical Programming (2022, 2025), Operations Research (2021, 2024, 2025), IEEE Power Engineering Letters (2021, 2025), INFORMS Journal on Computing (2022, 2023, 2025), 4OR (2025), IEEE Transactions on Power Systems (2023), Operations Research Forum (2020, 2022, 2023), Mathematical Programming Computation (2016, 2019, 2022), Journal of Artificial Intelligence Research (2021, 2022), INFORMS Journal on Optimization (2022), Discrete Optimization (2020, 2021), Artificial Intelligence Journal (2020)

Conferences / Workshops: Conference on Integer Programming and Combinatorial Optimization (IPCO) (2019, 2020, 2022, 2024, 2026), Symposium on Experimental Algorithms (SEA) (2025), International Symposium on Algorithms and Computation (ISAAC) (2024), ACM Conference on Economics and Computation (EC) (2020, 2022, 2024), International Symposium on Combinatorial Optimization (ISCO) (2024), MIP Workshop Poster Competition (2021), Games, Agents, and Incentives Workshop (GAIW) at AAMAS (2019, 2020, 2021), AI for Social Good Workshop (AI4SG) (2020), AI³ Workshop at AAMAS-IJCAI (2018), EXPLORE Workshop at AAMAS (2017), CPAIOR (2015)

Organizing Committee: Mixed Integer Programming Workshop, Minneapolis, MN, USA (2025), Mixed Integer Programming Workshop, Lexington, KY, USA (2024), Mini-Workshop on Fair Resource Allocation, Gainesville, FL, USA (2023), PanOptiC View on Global Optimization, Gainesville, FL, USA (2023), Workshop on Data Science for Real-Time Decision Making, Montréal, QC, Canada (2022), NeurIPS 2021 Competition: Machine Learning for Combinatorial Optimization (2021), Egon Balas Memorial Symposium, Pittsburgh, PA, USA (2019), YinzOR Student Conference, Pittsburgh, PA, USA (2017)

Mathematical Optimization Society and Mixed Integer Programming Society Service: Committee of the Mixed Integer Programming Society (2025–2027), Conference Committee (2025)

INFORMS Professional Society Service: Optimization Society Conference Chair for Discrete Optimization Track (2026), Optimization Society Vice Chair for Integer and Combinatorial Optimization (2024–2025), Session Chair at Annual Meeting (2017, 2019–2021, 2023–2025), Annual Meeting Poster Competition Judge (2023), Annual Meeting Mentor for Amazon SCOT Program (2021), Education Outreach Committee (2018–2019), Student Affairs Committee (2016–2018), Chapters/Fora Committee (2016), Student Representative on the Subdivisions Council (2015–2016) with membership in subcommittees on Diversity (2015), INFORMS Connect (2016), and Chapter Health (2016)

CMU INFORMS Student Chapter, Founder, President, and Consulting Board Member 2014–2018
INFORMS awarded the chapter Summa Cum Laude (2016) and Magna Cum Laude (2017–2019) recognition

ISMP in Pittsburgh, PA, Session Chair and Volunteer 2015

Languages: English (fluent), Russian (native), Italian (waning intermediate), French (wishful beginner)

Professional Societies: INFORMS, Mathematical Optimization Society, ACM SIGecom (lapsed)