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CURRICULUM VITAE

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Education

- ◇ **Ph.D. in Industrial and Systems Engineering**, 2006
Department of Industrial and Systems Engineering, University of Florida, Gainesville, Florida
- ◇ **Master of Science in Applied Mathematics and Physics**, 2002
Moscow Institute of Physics and Technology (MIPT), Moscow, Russia
- ◇ **Bachelor of Science in Applied Mathematics and Physics**, 2000
Moscow Institute of Physics and Technology (MIPT), Moscow, Russia

Professional positions held

- ◇ September 2017 - present, Professor, Department of Industrial Engineering, University of Pittsburgh
- ◇ September 2012 - August 2017, Associate Professor, Department of Industrial Engineering, University of Pittsburgh
- ◇ September 2006 - August 2012, Assistant Professor, Department of Industrial Engineering, University of Pittsburgh

Honors and Awards

- ◇ The 2019 Best Publication Award in Environment and Sustainability by the INFORMS Section on Energy, Natural Resources, and the Environment (ENRE)
- ◇ U.S. Air Force Office of Scientific Research, Young Investigator Research Program (YIP) Award, 2010
- ◇ U.S. Air Force Summer Faculty Fellowship, 2010, 2011, 2013, 2014, 2021, 2022
- ◇ The 2004 William Pierskalla Best Paper Award by the Health Applications Society of INFORMS

Publications

Refereed journal papers

1. X. Shi[†], O.A. Prokopyev, T.K. Ralphs, "Mixed Integer Bilevel Optimization with a k -optimal Follower: A Hierarchy of Bounds," *Mathematical Programming Computation*, accepted for publication, 2022.
2. H. Zhong, F.M. Pajouh, O.A. Prokopyev, "On designing networks resilient to clique blockers," *European Journal of Operational Research*, accepted for publication, 2022.
3. Q. Qiu, L.M. Maillart, O.A. Prokopyev, L. Cui, "Optimal Condition-Based Mission Abort Decisions," *IEEE Transactions on Reliability*, accepted for publication, 2022.
4. Y. Blokhin, S. Butenko, P. Momcilovic, O.A. Prokopyev, "On maximum ratio clique relaxations," *Networks*, accepted for publication, 2022.
5. J. Yang[†], X. Shi[†], O.A. Prokopyev, "Exact solution approaches for a class of bilevel fractional programs," *Optimization Letters*, accepted for publication, 2022.

[†]Denotes one of my PhD students (advised or co-advised).

6. X. Shi[†], O.A. Prokopyev, B. Zeng, "Sequence independent lifting for a set of submodular maximization problems," *Mathematical Programming*, accepted for publication, 2022.
7. S.S. Ketkov, O.A. Prokopyev, L.M. Maillart, "Planning of life-depleting preventive maintenance activities with replacements," *Annals of Operations Research*, accepted for publication, 2022.
8. S. Han, A. Gomez, O.A. Prokopyev, "Fractional 0-1 programming and submodularity," *Journal of Global Optimization*, 84/1 (2022), pp. 77–93.
9. J.S. Borrero[†], O.A. Prokopyev, D. Saure, "Learning in Sequential Bilevel Linear Programming," *INFORMS Journal on Optimization*, Vol. 4/2 (2022), pp. 174–199.
10. A. Veremyev, V. Boginski, E.L. Pasiliao, O.A. Prokopyev, "On integer programming models for the maximum 2-club problem and its robust generalizations," *European Journal of Operational Research*, Vol. 297/1 (2022), pp. 86–101.
11. C.P. Gillen[†], A. Veremyev, O.A. Prokopyev, E.L. Pasiliao, "Fortification Against Cascade Propagation Under Uncertainty," *INFORMS Journal on Computing*, Vol. 33/4 (2021), pp. 1481–1499.
12. J. Yang[†], J.S. Borrero[†], O.A. Prokopyev, D. Saure, "Sequential Shortest Path Interdiction with Incomplete Information and Limited Feedback," *Decision Analysis*, Vol. 18/3 (2021), pp. 218–244.
13. S. Sanoubar[†], K. He[†], L.M. Maillart, O.A. Prokopyev, "Optimal Age-Replacement in Anticipation of Time-Dependent, Unpunctual Policy Implementation," *IEEE Transactions on Reliability*, Vol. 70/3 (2021), pp. 1177–1192.
14. N. Vora[†], C. Gillen[†], O.A. Prokopyev, V. Khanna, "Rewiring the Domestic U.S. Rice Trade for Reducing Irrigation Impacts—Implications for the Food-Energy-Water Nexus," *ACS Sustainable Chemistry & Engineering*, Vol. 9/28 (2021), pp. 9188–9198.
15. A. Gomez, O.A. Prokopyev, "A Mixed-Integer Fractional Optimization Approach to Best Subset Selection," *INFORMS Journal on Computing*, Vol. 33/2 (2021), pp. 551–565.
16. E. Mehmanchi[†], A. Gomez, O.A. Prokopyev, "Solving a class of feature selection problems via fractional 0–1 programming," *Annals of Operations Research*, Vol. 303/1 (2021), pp. 265–295.
17. G.L. Zenarosa[†], O.A. Prokopyev, E.L. Pasiliao, "On exact solution approaches for bilevel quadratic 0–1 knapsack problem," *Annals of Operations Research*, Vol. 298/1-2 (2021), pp. 555–572.
18. S. Sanoubar[†], L.M. Maillart, O.A. Prokopyev, "Age-replacement policies under age-dependent replacement costs," *IIEE Transactions*, Vol. 53/4 (2021), pp. 425–436.
19. E. Mehmanchi[†], H. Bidkhorri, O.A. Prokopyev, "Analysis of process flexibility designs under disruptions," *IIEE Transactions*, Vol. 53/2 (2021), pp. 131–148.
20. S.S. Ketkov, E.P. Burashnikov, O.A. Prokopyev, "An approach to the distributionally robust shortest path problem," *Computers & Operations Research*, Vol. 130 (2021), Article 105212 (14 pages).
21. H. Zhong, F.M. Pajouh, O.A. Prokopyev, "Finding influential groups in networked systems: The most degree-central clique problem," *OMEGA*, Vol. 101 (2021), Article 102262 (13 pages).
22. E. Mehmanchi[†], C.P. Gillen[†], A. Gomez, O.A. Prokopyev, "On Robust Fractional 0-1 Programming," *INFORMS Journal on Optimization*, Vol. 2/2 (2020), pp. 96–133.
23. M.H. Zare[†], O.A. Prokopyev, D. Saure, "On Bilevel Optimization with Inexact Follower," *Decision Analysis*, Vol. 17/1 (2020), pp. 74–95.
24. S. Rebennack, O.A. Prokopyev, B. Singh, "Two-stage stochastic minimum s - t cut problems: Formulations, complexity and decomposition algorithms," *Networks*, Vol. 75/3 (2020), pp. 235–258.

[†]Denotes PhD students, on whose Dissertation Committee I served.

25. J. Kim, A. Veremyev, V. Boginski, O.A. Prokopyev, "On the maximum small-world subgraph problem," *European Journal of Operational Research*, Vol. 280/3 (2020), pp. 818–831.
 26. S.S. Ketkov, O.A. Prokopyev, "On greedy and strategic evaders in sequential interdiction settings with incomplete information," *OMEGA*, Vol. 92 (2020), Article 102161 (15 pages).
 27. O. Tavaslioglu[†], O.A. Prokopyev, A.J. Schaefer, "Solving Stochastic and Bilevel Mixed-Integer Programs via a Generalized Value Function," *Operations Research*, Vol. 67/6 (2019), pp. 1659–1677.
 28. J.S. Borrero[†], O.A. Prokopyev, P. Krokhmal, "Optimization of Cascading Processes in Arbitrary Networks with Stochastic Interactions," *IEEE Transactions on Network Science and Engineering*, Vol. 6/4 (2019), pp. 773–787.
 29. E. Mehmanchi[†], A. Gomez, O.A. Prokopyev, "Fractional 0-1 programs: links between mixed-integer linear and conic quadratic formulations," *Journal of Global Optimization*, Vol. 75/2 (2019), pp. 273–339.
 30. A. Veremyev, O.A. Prokopyev, E.L. Pasilio, "Finding Critical Links for Closeness Centrality," *INFORMS Journal on Computing*, Vol. 31/2 (2019), pp. 367–389.
 31. J.S. Borrero[†], O.A. Prokopyev, D. Saure, "Sequential Interdiction with Incomplete Information and Learning," *Operations Research*, Vol. 67/1 (2019), pp. 72–89.
 32. X. Shi[†], B. Zeng, O.A. Prokopyev, "On bilevel minimum and bottleneck spanning tree problems," *Networks*, Vol. 74/3 (2019), pp. 251–273.
 33. D. Matsypura, A. Veremyev, O.A. Prokopyev, E.L. Pasilio, "On exact solution approaches for the longest induced path problem," *European Journal of Operational Research*, Vol. 278/2 (2019), pp. 546–562.
 34. K. He[†], L.M. Maillart, O.A. Prokopyev, "Optimal sequencing of heterogeneous, non-instantaneous interventions," *Annals of Operations Research*, Vol. 276/1-2 (2019), pp. 109–135.
 35. M.H. Zare[†], J.S. Borrero[†], B. Zeng, O.A. Prokopyev, "A note on linearized reformulations for a class of bilevel linear integer problems," *Annals of Operations Research*, Vol. 272/1-2 (2019), pp. 99–117.
 36. A. Khojandi[†], L.M. Maillart, O.A. Prokopyev, M.S. Roberts, and S. Saba, "Dynamic Abandon/Extract Decisions for Failed Cardiac Leads," *Management Science*, Vol. 64/2 (2018), pp. 633–651.
 37. O.Y. Ozaltin[†], O.A. Prokopyev, A.J. Schaefer, "Optimal Design of the Seasonal Influenza Vaccine with Manufacturing Autonomy," *INFORMS Journal on Computing*, Vol. 30/2 (2018), pp. 371–387.
 38. M.H. Zare[†], O.Y. Ozaltin[†], O.A. Prokopyev, "On a class of bilevel linear mixed-integer programs in adversarial settings," *Journal of Global Optimization*, Vol. 71/1 (2018), pp. 91–113.
 39. C.P. Gillen[†], A. Veremyev, O.A. Prokopyev, E.L. Pasilio, "Critical arcs detection in influence networks," *Networks*, Vol. 71/4 (2018), pp. 412–431.
 40. G. Pastukhov, A. Veremyev, V. Boginski, O.A. Prokopyev, "On maximum degree-based γ -quasi-clique problem: Complexity and exact approaches," *Networks*, Vol. 71/2 (2018), pp. 136–152.
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- * The 2019 Best Publication Award in Environment and Sustainability by the INFORMS Section on Energy, Natural Resources, and the Environment (ENRE)
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44. J.S. Borrero[†], C. Gillen[†], O.A. Prokopyev, "Fractional 0-1 programming: applications and algorithms," *Journal of Global Optimization*, Vol. 69/1 (2017), pp. 255–282.
45. K. He[†], L.M. Maillart, O.A. Prokopyev, "Optimal planning of unpunctual preventive maintenance," *IIEE Transactions*, Vol. 49/2 (2017), pp. 127–143.
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47. S. Nemati[‡], O.V. Shylo, O.A. Prokopyev, A.J. Schaefer, "The Surgical Patient Routing Problem: A Central Planner Approach," *INFORMS Journal on Computing*, Vol. 28/4 (2016), pp. 657–673.
48. J.S. Borrero[†], C. Gillen[†], O.A. Prokopyev, "A simple technique to improve linearized reformulations of fractional (hyperbolic) 0–1 programming problems," *Operations Research Letters*, Vol. 44/4 (2016), pp. 479–486.
49. S. Karademir[†], O.A. Prokopyev, R.J. Mailloux, "Irregular polyomino tiling via integer programming with application in phased array antenna design," *Journal of Global Optimization*, Vol. 65/2 (2016), pp. 137–173.
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51. J.S. Borrero[†], O.A. Prokopyev, D. Saure, "Sequential Shortest Path Interdiction with Incomplete Information," *Decision Analysis*, Vol. 13/1 (2016), pp. 68–98.
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55. S. Karademir[†], O.A. Prokopyev, "On speed scaling via integer programming," *Operations Research Letters*, Vol. 43/5 (2015), pp. 537–544.
56. K. He[†], L.M. Maillart, O.A. Prokopyev, "Scheduling Preventive Maintenance as a Function of an Imperfect Inspection Interval," *IEEE Transactions on Reliability*, Vol. 64/3 (2015), pp. 983–997.
57. A.C. Trapp[†], O.A. Prokopyev, "A note on constraint aggregation and value functions for two-stage stochastic integer programs," *Discrete Optimization*, Vol. 15 (2015), pp. 37–45.
58. B. Beheshti[†], O.Y. Ozaltin[†], M.H. Zare[†], O.A. Prokopyev, "Exact solution approach for a class of non-linear bilevel knapsack problems," *Journal of Global Optimization*, Vol. 61/2 (2015), pp. 291–310.
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64. G. Degirmenci[‡], J.P. Kharoufeh, O.A. Prokopyev, "Maximizing the Lifetime of Query-Based Wireless Sensor Networks," *ACM Transactions on Sensor Networks*, Vol. 10/4 (2014), Article 56 (24 pages).
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66. O. Shylo, O.A. Prokopyev, A.J. Schaefer, "Stochastic Operating Room Scheduling for High Volume Specialties under Block Booking," *INFORMS Journal on Computing*, Vol. 25/4 (2013), pp. 682–692.
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71. O.Y. Ozaltin[†], O.A. Prokopyev, A.J. Schaefer, "Two-stage quadratic integer programs with stochastic right-hand sides," *Mathematical Programming*, Vol. 133/1-2 (2012), pp. 121–158.
72. S. Karademir[†], O.A. Prokopyev, "A short note on solvability of systems of interval linear equations," *Linear and Multilinear Algebra*, Vol. 59/6 (2011), pp. 707–710.
73. M. Baz[‡], B. Hunsaker, O.A. Prokopyev, "How much do we 'pay' for using default parameters?," *Computational Optimization and Applications*, Vol. 48/1 (2011), pp. 91–108.
74. O.Y. Ozaltin[†], O.A. Prokopyev, A.J. Schaefer, M.S. Roberts, "Optimizing the Societal Benefits of the Annual Influenza Vaccine: A Stochastic Programming Approach," *Operations Research*, Vol. 59/5 (2011), pp. 1131–1143.
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99. P.M. Pardalos, W. Chaovalitwongse, L.D. Iasemidis, J.C. Sackellares, D.-S. Shiau, P.R. Carney, O.A. Prokopyev, V.A. Yatsenko, "Seizure warning algorithm based on optimization and nonlinear dynamics," *Mathematical Programming*, Vol. 101/2 (2004), pp. 365–385.
 ★ The 2004 William Pierskalla Best Paper Award by the Health Applications Society of INFORMS
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Edited books & proceedings

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3. V.A. Kalyagin, A. Nikolaev, P.M. Pardalos, O.A. Prokopyev (Editors), "Models, Algorithms, and Technologies for Network Analysis: NET 2016, Nizhny Novgorod, Russia, May 2016," Springer Proceedings in Mathematics & Statistics, Vol. 197, Springer, 2017.
4. D. Grundel, R. Murphey, P. Pardalos, O.A. Prokopyev (Editors), "Cooperative Networks: Control and Optimization," Series: New Dimensions in Networks, Edward Elgar Publishing, 2008.
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Chapters in edited books

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2. C.P. Gillen[†], D. Matsypura, O.A. Prokopyev, "Operations Research Techniques in Wildfire Fuel Management," in *Optimization Methods and Applications: In Honor of Ivan V. Sergienko's 80th Birthday*, (S. Butenko, P.M. Pardalos, V. Shylo, eds.), Springer (2017), pp. 119–135.
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4. C. Ihrig, M. Baz[‡], J. Stander, R. R. Hoare, B. A. Norman, O.A. Prokopyev, B. Hunsaker, and A. K. Jones, "Greedy Algorithms for Mapping onto a Coarse-grained Reconfigurable Fabric," in *Advances in Greedy Algorithms* (W. Bednorz, ed.), In-Tech (2008), pp. 193–222.

5. O.A. Prokopyev, V. Boginski, W. Chaovaitwongse, P.M. Pardalos, J.C. Sackellares, P.R. Carney, "Network-based Techniques in EEG Data Analysis and Epileptic Brain Modeling," in *Data Mining in Biomedicine* (P.M. Pardalos, V. Boginski, A. Vazakopoulos, eds.), Springer (2007), pp. 559–574.
6. W. Chaovaitwongse, L.D. Iasemidis, P.R. Carney, J.C. Sackellares, D.-S. Shiau, L.K. Dance, O.A. Prokopyev, V. Boginski, P.M. Pardalos, "Data Mining in EEG: Application to Epileptic Brain Disorders," in *Data Mining in Biomedicine* (P.M. Pardalos, V. Boginski, A. Vazakopoulos, eds.), Springer (2007), pp. 459–481.
7. P.M. Pardalos, O.A. Prokopyev, S. Busygin, "Continuous Approaches for Solving Discrete Optimization Problems," in *Handbook on Modelling for Discrete Optimization* (G. Appa, L. Pitsoulis, H.P. Williams, eds.), pp. 39–60, Springer, 2006.
8. P.M. Pardalos, V.L. Boginski, O.A. Prokopyev, W. Suharitdamrong, P.R. Carney, W. Chaovaitwongse, A. Vazakopoulos, "Optimization Techniques in Medicine," in *Essays and Surveys in Global Optimization* (C. Audet, P. Hansen, G. Savard, eds.), Springer, pp. 211–232, 2005.
9. V. Boginski, S. Butenko, P.M. Pardalos, O.A. Prokopyev, "Collaboration Networks in Sports," in *Economics, Management and Optimization in Sports* (S. Butenko, J. Gil-Lafuente, P.M. Pardalos, eds.), Springer, pp. 265–277, 2004.

Refereed conference proceedings & abstracts

1. X. Shi[†], O.A. Prokopyev, B. Zeng, "Sequence independent lifting for the set of submodular maximization problem," in Proceedings of the 21st International Conference on Integer Programming and Combinatorial Optimization, IPCO 2020 (D. Bienstock, G. Zambelli, eds.), pp. 378–390.
2. A. Khojandi[†], L.M. Maillart, O.A. Prokopyev, M.S. Roberts, S. Saba, "Dynamic Abandon/Extract Decisions for Failed Cardiac Leads," Proceedings of the 2013 Society for Medical Decision Making Conference (the Lee B. Lusted Student Prize Competition Finalist).
3. O.V. Shylo, L. Luangkesorn, O.A. Prokopyev, J. Rajgopal, A.J. Schaefer, "Managing patient backlog in a surgical suite that uses a block-booking scheduling system," Proceedings of the 2011 Winter Simulation Conference, pp. 1414–1324.
4. P. Velagapudi, O.A. Prokopyev, K. Sycara, P. Scerri, "Analyzing the Performance of Randomized Information Sharing," Proceedings of the 8th International Joint Conference on Autonomous Agents and Multiagent Systems (AAMAS 2009), Vol. 2, pp. 821–828.
5. P. Velagapudi, O.A. Prokopyev, P. Scerri, K. Sycara, "A Token-Based Approach to Sharing Beliefs in a Large Multiagent Team," in *Optimization and Cooperative Control Strategies* (M.J. Hirsch, C. Commander, P.M. Pardalos, and R. Murphey, eds.), Proceedings of the 8th International Conference on Cooperative Control and Optimization, Lecture Notes in Control and Information Sciences, Vol. 381, Springer (2009), pp. 417–429.
6. P. Velagapudi, O.A. Prokopyev, K. Sycara, P. Scerri, "Maintaining Shared Belief in a Large Multiagent Team," Proceedings of the 10th International Conference on Information Fusion, 2007, pp. 1–8.
7. P.M. Pardalos, O.A. Prokopyev, S. Busygin, "On Biclustering with Feature Selection for Microarray Data Sets," *BIOMAT 2005 – International Symposium on Mathematical and Computational Biology*, R. Mondaini, R. Dilão (ed.), World Scientific (2006), pp. 367–378.

Courses Taught

University of Pittsburgh

- ◇ IE 0015, Introduction to Information Systems Engineering (undergraduate)
 - Fall 2006, Fall 2007

- ◇ IE 1081, Deterministic Methods in Operations Research (undergraduate)
 - Fall 2010 - Fall 2014, Fall 2018 - Fall 2022
- ◇ IE 2082, Linear Optimization (MS/Ph.D.)
 - Fall 2008 - Fall 2016, Fall 2018 - Fall 2022
- ◇ IE 3097, Algorithms for Engineers (Ph.D.)
 - Fall 2007, Fall 2016
- ◇ IE 3053, Global Optimization (Ph.D.)
 - Spring 2008, Spring 2015, Spring 2018
- ◇ IE 3078, Convex Optimization (Ph.D.)
 - Spring 2009
- ◇ IE 3087, Network-based Optimization (Ph.D.)
 - Spring 2007, Spring 2010, Spring 2013, Fall 2015, Spring 2021
- ◇ IE 3080, Advanced Topics in Operations Research (Ph.D.)
 - Spring 2014, Spring 2018, Spring 2020
- ◇ IE 3057, Bilevel Optimization (Ph.D.)
 - Spring 2017, Spring 2022

University of Florida

- ESI 4312, Operations Research I (undergraduate)
 - Spring 2006
- ESI 4567C, Matrix and Numerical Methods in Systems Engineering (undergraduate)
 - Summer 2005, Fall 2005

Graduate Students

Graduated Ph.D. students

- ◇ Andrew C. Trapp, Ph.D. 2011
“On Solving Selected Nonlinear Integer Programming Problems in Data Mining, Computational Biology, and Sustainability”
- ◇ Osman Y. Ozaltin, Ph.D. 2011 (co-advised with Dr. Andrew J. Schaefer)
“Optimal Design of the Annual Influenza Vaccine”
2013 Pritsker Outstanding Dissertation Award (IIE)
- ◇ Serdar Karademir, Ph.D. 2013
“Essays on Integer Programming in Military and Power Management Applications”
- ◇ Anahita Khojandi, Ph.D. 2014 (co-advised with Dr. Lisa M. Maillart)
“Optimizing Implanted Cardiac Device Follow-up Care”
Honorable Mention for the 2014 George B. Dantzig Dissertation Award (INFORMS)

- ◇ Behdad Beheshti, Ph.D. 2014
“Efficient Resource Allocation in a Bilevel Hierarchy with Knapsack and Assignment Lower-Level Problems”
- ◇ Gabriel L. Zenarosa, Ph.D. 2016 (co-advised with Dr. Andrew J. Schaefer)
“Integrating Proactive and Reactive Decision-making in Surgery Scheduling”
- ◇ Kai He, Ph.D. 2016 (co-advised with Dr. Lisa M. Maillart)
“Optimal Maintenance Planning in Novel Settings”
- ◇ Juan S. Borrero, Ph.D. 2017
“Sequential Bilevel Linear Programming with Incomplete Information and Learning”
- ◇ M. Hosein Zare, Ph.D. 2018
“Bilevel Linear Programs: Generalized Models for the Lower-Level Reaction Set and Related Problems”
- ◇ Onur Tavaslioglu, Ph.D. 2019 (co-advised with Dr. Andrew J. Schaefer)
“Stochastic Operating Room Scheduling under Emergency Arrivals with Integrated Block Assignments”
- ◇ Colin P. Gillen, Ph.D. 2019
“Critical Elements Detection in Dynamic Networks Under Uncertainty”
Runner-up, The INFORMS Computing Society (ICS) Student Paper Award, 2018
- ◇ Erfan Mehmanchi, Ph.D. 2019
“Reformulation Techniques and Solution Approaches for Fractional 0–1 Programs and Applications”
- ◇ Xueyu Shi, Ph.D. 2021 (co-advised with Dr. Bo Zeng)
“Exploiting Local Optimality and Strong Inequalities for Solving Bilevel Combinatorial and Submodular Optimization Problems”
- ◇ Shadi Sanoubar, Ph.D. 2022 (co-advised with Dr. Lisa M. Maillart)
“Temporal and Spatial Considerations in Maintenance Planning”
- ◇ Jing Yang, Ph.D. 2022
“Essays on Interdiction Problems in Novel Settings”

Current Ph.D. students

- ◇ Tomás Lagos, Ph.D. expected August 2024/2025
- ◇ Luca Wrabetz, Ph.D. expected August 2025/2026

Professional Service Activities

Editorial service

- ◇ Co-Editor-in-Chief, *Optimization Letters*
- ◇ Department Editor, *IIE Transactions* (Focused Issue: Operations Engineering & Analytics)
- ◇ Editorial Board Member, *Journal of Global Optimization*
- ◇ Editorial Board Member, *Journal of Industrial and Management Optimization*
- ◇ Area Editor, *Omega* (2017-2019)
- ◇ Editorial Board Member (Advisory Editor), book series *Springer Optimization and Its Applications*
- ◇ Guest co-editor:

- ◇ Special Issue of *Journal of Global Optimization* dedicated to the 60th birthday of Panos M. Pardalos (O.A. Prokopyev and N.V. Sahinidis, Guest Editors), Volume 59, Issue 2-3, 2014
- ◇ Special Issue of *Journal of Global Optimization* dedicated to *International Workshop on Multilevel Optimization: Algorithms and Applications* (A. Karakitsiou and O.A. Prokopyev, Guest Editors), Volume 38, Issue 4, 2007
- ◇ Special Issue on *Systems Analysis, Optimization and Data Mining in Biomedicine of Optimization Methods and Software* (C. Floudas and O.A. Prokopyev, Guest Editors), Volume 22, Issue 1, 2007

Conferences

- ◇ Organizing Committee Member (Emerging Topics Sessions Co-Chair), INFORMS 2018 Annual Meeting, Phoenix, AZ, November 4-7, 2018
- ◇ Local Organization Committee, 22nd International Symposium on Mathematical Programming (ISMP), Pittsburgh, PA, July 12-17, 2015
- ◇ Organizing Committee Member, Conference on Optimization, Control and Applications in the Information Age (in honor of the 60th birthday of Panos M. Pardalos), Chalkidiki, Greece, June 15-20, 2014
- ◇ Cluster Chair, "Optimization/Global Optimization," INFORMS 2012 Annual Meeting, Phoenix, AZ, October 14-17, 2012
- ◇ Cluster Chair, "Optimization/Global Optimization," INFORMS 2011 Annual Meeting, Charlotte, NC, November 13-16, 2011
- ◇ Co-organizer, 3rd Yalta Optimization Conference, Yalta, Ukraine, August 2-4, 2010
- ◇ Organizing Committee Member (Student Volunteers Coordinator), INFORMS 2006 Annual Meeting, Pittsburgh, PA, November 4-7, 2006

Professional societies

- ◇ Co-Chair, 2018 INFORMS JFIG Best paper competition
- ◇ Chair, 2015 IISE Transactions (Focused Issue on Operations Engineering & Analytics) Best Paper Award committee
- ◇ Vice-Chair for Global Optimization, INFORMS Optimization Society, 2010-2012