

Samuel Burer

Tippie Rollins Professor
Department of Business Analytics
Henry B. Tippie College of Business
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EXPERIENCE

- 2012-07 – present** **Professor**, Department of Business Analytics, University of Iowa¹
Tippie Rollins Professor (2021–present)
George Daly Professor (2016–2021)
Henry B. Tippie Research Fellow (2012–2016)
Faculty Director, Full-Time Business Analytics Graduate Program (2018–2020)
Faculty Director, Part-Time Business Analytics Graduate Program (2014–2019)
Faculty, Applied Mathematical and Computational Sciences (2004–present)
- 2007-07 – 2012-06** **Associate Professor**, Department of Management Sciences, University of Iowa
Martha and Dennis Hesse Faculty Fellow (2004–12)
- 2009-04 – 2009-05** **Visiting Associate Professor**, Department of CS and Systems, Sapienza Università di Roma
- 2007-01 – 2007-05** **Visiting Assistant Professor**, Tepper School of Business, Carnegie Mellon University
- 2001-08 – 2007-06** **Assistant Professor**, Department of Management Sciences, University of Iowa

EDUCATION

Georgia Institute of Technology

- Ph.D., Algorithms, Combinatorics, and Optimization, August 2001
- *New Algorithmic Approaches for Semidefinite Programming with Applications to Combinatorial Optimization*, advised by R.D.C. Monteiro

University of Georgia

- B.S., Mathematics, June 1997
- First Honor Graduate, *Summa Cum Laude*, With Highest Honors

RESEARCH AND TEACHING INTERESTS

- Analytics, operations research, management sciences
- Discrete and continuous optimization
- Convex, copositive, semidefinite, and nonlinear optimization
- Decision making and optimization under uncertainty
- Teaching at all levels (undergraduate, Master's, doctoral, evening, online, executive)

GRANTS

- National Science Foundation Grant for *CAREER: Computation, Theory, and Applications for Nonconvex*

¹Department name was changed from *Management Sciences* to *Business Analytics* in April 2019.

Quadratic and Conic Optimization, \$400,000, 2006–12

- National Science Foundation Grant for *Collaborative Research: Theory and Implementation of Semidefinite Programming and Its Application to Combinatorial Optimization*, \$255,818, 2000–05
- New Technology in the Learning Environment Grant, University of Iowa, \$1,500, 2004
- Old Gold Fellowships, University of Iowa, \$12,000, 2002–03

JOURNAL PUBLICATIONS (listed in reverse chronological order by appearance of manuscript)

- [J01] [Strengthened SDP Relaxation for an Extended Trust Region Subproblem with an Application to Optimal Power Flow](#), with A. Eltvéd, September 2020, revised July 2021, published online in *Mathematical Programming (Series A)*. DOI link.
- [J02] [Convex Hull Representations for Bounded Products of Variables](#), with K. Anstreicher and K. Park, *Journal of Global Optimization*, 80(4), 757–778, 2021.
- [J03] [Quadratic Optimization with Switching Variables: The Convex Hull for \$n = 2\$](#) , with K. Anstreicher, *Mathematical Programming (Series B)*, 188(2), 421–441, 2021.
- [J04] [Exact Semidefinite Formulations for a Class of \(Random and Non-Random\) Nonconvex Quadratic Programs](#), with Y. Ye, *Mathematical Programming Series A*, 181(1), 1–17, 2020. Erratum published as *Mathematical Programming Series A*, 190(1), 845–848, 2021.
- [J05] [Three Methods for Robust Grading](#), with V. Piccialli, *European Journal on Operational Research*, 272, 364–371, 2019.
- [J06] [A Data-Driven Distributionally Robust Bound on the Expected Optimal Value of Uncertain Mixed 0-1 Linear Programming](#), with G. Xu, *Computational Management Science*, 15, 111–134, 2018.
- [J07] [A Copositive Approach for Two-Stage Adjustable Robust Optimization with Uncertain Right-Hand Sides](#), with G. Xu, *Computational Optimization and Applications*, 70, 33–59, 2018.
- [J08] [Quadratic Programs with Hollows](#), with B. Yang and K. Anstreicher, *Mathematical Programming Series A*, 170, 541–553, 2018.
- [J09] [Robust Sensitivity Analysis of the Optimal Value of Linear Programming](#), with G. Xu, *Optimization Methods and Software*, 32(6):1187–1205, 2017.
- [J10] [Nearly Efficient Tuitions and Subsidies in American Public Higher Education](#), with G. Fethke, *Economics of Education Review*, 55, 182–197, 2016.
- [J11] [A Gentle, Geometric Introduction to Copositive Optimization](#), *Mathematical Programming Series B*, 151(1), 89–116, 2015.
- [J12] [A Branch-and-Bound Algorithm for Instrumental Variable Quantile Regression](#), with G. Xu, *Mathematical Programming Computation*, 9, 471–497, 2017.
- [J13] [How to Convexify the Intersection of a Second Order Cone and a Nonconvex Quadratic](#), with F. Kılınç-Karzan, *Mathematical Programming Series A*, 162, 393–429, 2017.
- [J14] [A Two-Variable Analysis of the Two-Trust-Region Subproblem](#), with B. Yang, *SIAM Journal on Optimization*, 26(1), 661–680, 2016.
- [J15] [Faster, but Weaker, Relaxations for Quadratically Constrained Quadratic Programs](#), with S. Kim and M. Kojima, *Computational Optimization and Applications*, 59(1), 27–45, 2014.
- [J16] [The Trust Region Subproblem with Non-Intersecting Linear Constraints](#), with B. Yang, *Mathematical Programming Series A*, 149(1–2), 253–264, 2015.

- [J17] [Non-Convex Mixed-Integer Nonlinear Programming: A Survey](#), with A. Letchford, *Surveys in Operations Research and Management Science*, 17, 97–106, 2012.
- [J18] [A First-Order Smoothing Technique for a Class of Large-Scale Linear Programs](#), with J. Chen, *SIAM Journal on Optimization*, 24(2), 598–620, 2014.
- [J19] [Robust Rankings for College Football](#), *Journal of Quantitative Analysis in Sports*, 8(2), 2012.
- [J20] [Unbounded Convex Sets for Non-Convex Mixed-Integer Quadratic Programming](#), with A. Letchford, *Mathematical Programming Series A*, 143(1-2), 231–256, 2014.
- [J21] [Representing Quadratically Constrained Quadratic Programs As Generalized Copositive Programs](#), with H. Dong, *Operations Research Letters*, 40(3), 203–206, 2012.
- [J22] [Second-Order Cone Constraints for Extended Trust-Region Subproblems](#), with K. Anstreicher, *SIAM Journal on Optimization*, 23(1), 432–451, 2013.
- [J23] [Globally Solving Nonconvex Quadratic Programming Problems via Completely Positive Programming](#), with J. Chen, *Mathematical Programming Computation*, 4(1), 33–52, 2012.
- [J24] [Separation and Relaxation for Cones of Quadratic Forms](#), with H. Dong, *Mathematical Programming Series A*, 137(1), 343–370, 2013.
- [J25] [Modifying Soyster’s Model for the Traveling Salesman Problem with Interval Travel Times](#), with N. Cho and A.M. Campbell, *Far East Journal of Applied Mathematics*, 86(2), 117–144, 2014.
- [J26] [Optimizing a Polyhedral-Semidefinite Relaxation of Completely Positive Programs](#), *Mathematical Programming Computation*, 2(1), 1–19, 2010.
- [J27] [A Semidefinite Approach to the Hypergraph Minimum Bisection Problem](#), with C. Choi, *Optimization*, 60(3):413–427, 2011.
- [J28] [On Non-Convex Quadratic Programming with Box Constraints](#), with A.N. Letchford, *SIAM Journal on Optimization*, 20(2):1073–1089, 2009.
- [J29] [The Difference Between 5x5 Doubly Nonnegative and Completely Positive Matrices](#), with K. Anstreicher and M. Dür, *Linear Algebra and Its Applications*, 431:1539–1552, 2009.
- [J30] [A p-Cone Sequential Relaxation Procedure for 0-1 Integer Programs](#), with J. Chen, *Optimization Methods and Software*, 24(4):523–548, 2009.
- [J31] [Relaxing the Optimality Conditions of Box QP](#), with J. Chen, *Computational Optimization and Applications*, 48:653–673, 2011.
- [J32] [Computable Representations for Convex Hulls of Low-Dimensional Quadratic Forms](#), with K. Anstreicher, *Mathematical Programming Series B*, 124(1-2):33–43, 2010.
- [J33] [Globally Solving Box-Constrained Nonconvex Quadratic Programs with Semidefinite-Based Finite Branch-and-Bound](#), with D. Vandenbussche, *Computational Optimization and Applications*, 43(2):181–195, 2009.
- [J34] [On the Copositive Representation of Binary and Continuous Nonconvex Quadratic Programs](#), *Mathematical Programming Series A*, 120(2):479–495, 2009.
- [J35] [On Handling Free Variables in Interior-Point Methods for Conic Linear Optimization](#), with M.F. Anjos, *SIAM Journal on Optimization*, 18(4):1310–1325, 2007.
- [J36] [Ensemble Pruning via Semi-definite Programming](#), with Y. Zhang and W.N. Street, *Journal of Machine Learning Research*, 7:1315–1338, 2006.
- [J37] [A Finite Branch-and-Bound Algorithm for Nonconvex Quadratic Programming via Semidefinite Relaxations](#),

with D. Vandenbussche, *Mathematical Programming Series A*, 113(2):259-282, 2008.

- [J38] [Coordinating the Supply Chain in the Agricultural Seed Industry](#), with P.C. Jones and T. Lowe, *European Journal of Operational Research*, 185:354-377, 2008.
- [J39] [Solving Maximum-Entropy Sampling Problems Using Factored Masks](#), with J. Lee, *Mathematical Programming Series B*, 109:263-281, 2007.
- [J40] [Newsvendor Games: Convex Optimization of Centralized Inventory Operations](#), with M. Dror, *TOP*, 20(3):707-728, 2012.
- [J41] [Computational Enhancements in Low-Rank Semidefinite Programming](#), with C. Choi, *Optimization Methods and Software*, 21(3):493-512, 2006.
- [J42] [Solving Lift-and-Project Relaxations of Binary Integer Programs](#), with D. Vandenbussche, *SIAM Journal on Optimization*, 16(3):726-750, 2006.
- [J43] [Local Minima and Convergence in Low-Rank Semidefinite Programming](#), with R.D.C. Monteiro, *Mathematical Programming Series A*, 103:427-444, 2005.
- [J44] [D.C. Versus Copositive Bounds for Standard QP](#), with K. Anstreicher, *Journal of Global Optimization*, 33:299-312, 2005.
- [J45] [Semidefinite Programming in the Space of Partial Positive Semidefinite Matrices](#), *SIAM Journal on Optimization*, 14:139-172, 2003.
- [J46] [A Computational Study of a Gradient-Based Log-Barrier Algorithm for a Class of Large-Scale SDPs](#), with R.D.C. Monteiro and Y. Zhang, *Mathematical Programming Series B*, 95:359-379, 2003.
- [J47] [A Nonlinear Programming Algorithm for Solving Semidefinite Programs via Low-Rank Factorization](#), with R.D.C. Monteiro, *Mathematical Programming Series B*, 95:329-357, 2003.
- [J48] [Maximum Stable Set Formulations and Heuristics Based on Continuous Optimization](#), with R.D.C. Monteiro and Y. Zhang, *Mathematical Programming Series A*, 94:137-166, 2002.
- [J49] [Rank-Two Relaxation Heuristics for Max-Cut and Other Binary Quadratic Programs](#), with R.D.C. Monteiro and Y. Zhang, *SIAM Journal on Optimization*, 12:503-521, 2001.
- [J50] [Interior Point Algorithms for Semidefinite Programming Based on a Nonlinear Formulation](#), with R.D.C. Monteiro and Y. Zhang, *Computational Optimization and Applications*, 22:49-79, 2002.
- [J51] [Solving a Class of Semidefinite Programs via Nonlinear Programming](#), with R.D.C. Monteiro and Y. Zhang, *Mathematical Programming Series A*, 93:97-122, 2002.
- [J52] [A General Framework for Establishing Polynomial Convergence of Long-Step Methods for Semidefinite Programming](#), with R.D.C. Monteiro, *Optimization Methods and Software*, 18:1-38, 2003.
- [J53] [A Projected Gradient Algorithm for Solving the Maxcut SDP Relaxation](#), with R.D.C. Monteiro, *Optimization Methods and Software*, 15:175-200, 2001.

REFEREED BOOK CHAPTERS (listed in reverse chronological order)

- [B01] [Copositive Programming](#), *Handbook of Semidefinite, Cone and Polynomial Optimization: Theory, Algorithms, Software and Applications*, edited by M.F. Anjos and J.B. Lasserre, 201-218, 2011.
- [B02] [The MILP Road to MIQCP](#), with A. Saxena, *IMA Volumes in Mathematics and Its Applications*, edited by J. Lee and S. Leyffer, 154:373-406, 2011.

REFEREED CONFERENCE PUBLICATIONS

- [C01] [Sharing Classifiers Among Ensembles from Related Problem Domains](#), with Y. Zhang and W.N. Street, *Proceedings of the Fifth IEEE International Conference on Data Mining (ICDM'05)*, 522-529, 2005.

MANUSCRIPTS UNDER REVIEW (listed in reverse chronological order by appearance of manuscript)

- [M01] [A Strengthened SDP Relaxation for Quadratic Optimization Over the Stiefel Manifold](#), with K. Park, submitted to *Journal of Optimization Theory and Applications*, August 2022.
- [M02] [A Semidefinite Relaxation for Sums of Heterogeneous Quadratics on the Stiefel Manifold](#), with K. Gilman and L. Balzano, submitted to *NeurIPS 2022*, May 2022.

PRESENTATIONS (listed in reverse chronological order)

- [P01] TBD, Massachusetts Institute of Technology, Cambridge, MA, November 2022 (invited).
- [P02] New Results on the Trust Region Subproblem with Extra Second-Order-Cone Constraints, INFORMS, Indianapolis, IN, October 2022 (invited).
- [P03] A Strengthened SDP Relaxation for an Extended Trust Region Subproblem, Mixed Integer Programming Workshop (MIP), New Brunswick, NJ, May 2022 (invited).
- [P04] A Copositive Approach for Two-Stage Adjustable Robust Optimization with Uncertain Right-Hand Sides, New York University, New York, NY, April 2022 (invited).
- [P05] Convexification for Non-Convex Mixed-Integer Quadratic Programming, Lehigh University, April 2022 (invited, online).
- [P06] Convexification for Non-Convex Mixed-Integer Quadratic Programming, University of Florida, Gainesville, FL, March 2022 (invited).
- [P07] Convexification for Non-Convex Mixed-Integer Quadratic Programming, Singapore University of Technology and Design, March 2022 (invited, online).
- [P08] Convexification for Non-Convex Mixed-Integer Quadratic Programming, Indian Institute of Management Bangalore, March 2022 (invited, online).
- [P09] Convexification for Non-Convex Mixed-Integer Quadratic Programming, Southern Methodist University, February 2022 (invited, online).
- [P10] Convexification for Non-Convex Mixed-Integer Quadratic Programming, INFORMS Optimization Society Conference, March 2021 (invited plenary, online).
- [P11] Exact SDPs for a Class of (Random and Non-Random) Nonconvex Diagonal QCQPs, Workshop on Optimization Theory and Methods, Peking University, January 2021 (invited, online).
- [P12] Quadratic Optimization with Switching Variables: The Convex Hull for $n = 2$, INFORMS, National Harbor, MD, November 2020 (invited).
- [P13] Robust Rankings for College Football, George Washington University, Washington D.C., October 2019 (invited).
- [P14] Python or R or Both: Tools for Your Data Analytics Workflow, Practice and Experience in Advanced Research Computing, Chicago, IL, July 2019 (refereed tutorial).
- [P15] An Introduction to Semidefinite Programming for Combinatorial Optimization, Conference on Integer Pro-

gramming and Combinatorial Optimization (IPCO), University of Michigan, Ann Arbor, MI, May 2019 (invited tutorial).

- [P16] Exact Semidefinite Formulations for a Class of (Random and Non-Random) Nonconvex Quadratic Programs, INFORMS, Phoenix, AZ, November 2018 (invited).
- [P17] Exact Semidefinite Formulations for a Class of (Random and Non-Random) Nonconvex Quadratic Programs, Università degli Studi di Roma “Tor Vergata,” Rome, July 2018 (invited).
- [P18] Exact Semidefinite Formulations for a Class of (Random and Non-Random) Nonconvex Quadratic Programs, Twenty-Third International Symposium on Mathematical Programming, Bordeaux, France, July 2018 (invited).
- [P19] A Gentle, Geometric Introduction to Copositive Optimization, “Beyond Convexity: Emerging Challenges in Data Science” CMO-BIRS Workshop, Oaxaca, Mexico, October 2017 (invited).
- [P20] A Copositive Approach for Two-Stage Adjustable Robust Optimization with Uncertain Right-Hand Sides, SIAM Conference on Optimization, Vancouver, May 2017 (invited).
- [P21] A Copositive Approach for Two-Stage Adjustable Robust Optimization with Uncertain Right-Hand Sides, University of Texas at Austin, Austin, TX, May 2017 (invited).
- [P22] My Experience in the 2016 INFORMS Syngenta Crop Challenge, Workshop on Designing Optimal Genetic Improvement and Agronomic Systems, Iowa State University, Ames, Iowa, November 2016 (invited).
- [P23] A Copositive Approach for Two-Stage Adjustable Robust Optimization with Uncertain Right-Hand Sides, Universität Klagenfurt, Klagenfurt, Austria, November 2016 (invited).
- [P24] A Copositive Approach for Two-Stage Adjustable Robust Optimization with Uncertain Right-Hand Sides, Georgia Tech, Atlanta, GA, October 2016 (invited).
- [P25] Robust Sensitivity Analysis, University of Minnesota, Minnesota, MN, May 2016 (invited).
- [P26] Balancing Weather Risk and Crop Yield for Soybean Variety Selection, INFORMS Conference on Business Analytics and Operations Research, Orlando, FL, April 2016 (invited).
- [P27] How to Convexify the Intersection of a Second Order Cone and a Nonconvex Quadratic, INFORMS, Philadelphia, PA, October 2015 (invited).
- [P28] A Gentle, Geometric Introduction to Copositive Optimization, Twenty-Second International Symposium on Mathematical Programming, Pittsburgh, July 2015 (invited semi-plenary).
- [P29] Robust Sensitivity Analysis for Linear Programming, First Pacific Optimization Conference, Wuxi, China, November 2014 (invited).
- [P30] A Gentle, Geometric Introduction to Copositive Optimization, Workshop on Emerging Topics in Conic and Discrete Optimization, Engineering Systems and Design, Singapore University of Technology and Design, Singapore, October 2014 (invited tutorial).
- [P31] Robust Rankings for American College Football, Università degli Studi di Roma “Tor Vergata,” Rome, May 2014 (invited).
- [P32] Interior-Point Methods for Linear Programming, Università degli Studi di Roma “Tor Vergata,” Rome, May 2014 (invited).
- [P33] Copositive Optimization, Third University of Florida SIAM Gators Conference, Gainesville, FL, March 2014 (invited faculty speaker).
- [P34] A Two-Variable Analysis of the Two-Trust-Region Subproblem, Eighteenth Combinatorial Optimization Workshop, CNRS Centre Paul Langevin, Aussois, France, January 2014 (invited).
- [P35] The Trust Region Subproblem with Non-Intersecting Linear Constraints, INFORMS, Minneapolis, MN,

October 2013 (invited).

- [P36] Robust Rankings for College Football, INFORMS, Minneapolis, MN, October 2013 (invited).
- [P37] Robust Rankings for American College Football, Tilburg University, Tilburg, Netherlands, July 2013 (invited).
- [P38] Copositive Optimization, Fourth International Conference on Continuous Optimization (ICCOPT-IV), Lisbon, Portugal, July 2013 (invited semi-plenary).
- [P39] Unbounded Convex Sets for Non-Convex Mixed-Integer Quadratic Programming, INFORMS Computing Society Conference, Santa Fe, NM, January 2013 (invited).
- [P40] Robust Rankings for College Football, Department of Mathematics, Grinnell College, December 2012 (invited).
- [P41] Robust Rankings for American College Football, Mixed Integer Programming Workshop (MIP), Davis, CA, July 2012 (invited).
- [P42] Uncertainty and Robustness: Two Optimization Models, Fuqua School of Business, Duke University, March 2012.
- [P43] Separation and Relaxation for Completely Positive Matrices, Tenth SIAM Conference on Optimization, Darmstadt, Germany, May 2011 (invited).
- [P44] Cuts for Nonconvex Quadratic Programming, Optimization Days, Montreal, May 2011 (invited).
- [P45] Cuts for Nonconvex Quadratic Programming, IBM T. J. Watson Research Center, Yorktown Heights, NY, March 2011 (invited).
- [P46] Separating Cuts for Quadratic Programs, INFORMS, Austin, TX, November 2010 (invited).
- [P47] New Approximations for Copositive Matrices, INFORMS, Austin, TX, November 2010 (invited).
- [P48] Nonconvex Quadratic Programming: Models and Algorithms, West Coast Optimization Meeting, University of Washington, Seattle, WA, May 2010 (invited).
- [P49] Nonconvex Quadratic Programming with Box Constraints, Operations Research Seminar, Carnegie Mellon University, Pittsburgh, PA, April 2010 (invited).
- [P50] Nonconvex Quadratic Programming: Models and Algorithms, Department of Industrial and Systems Engineering, University of Wisconsin-Madison, Madison, WI, September 2009 (invited).
- [P51] Optimizing a Polyhedral-Semidefinite Relaxation of Completely Positive Programs, Twentieth International Symposium on Mathematical Programming, Chicago, August 2009 (invited).
- [P52] Optimizing a Polyhedral-Semidefinite Relaxation of Completely Positive Programs, Università di Firenze, Florence, May 2009 (invited).
- [P53] Short Course on Semidefinite Programming, Sapienza Università di Roma, Rome, May 2009 (invited).
- [P54] Optimizing a Polyhedral-Semidefinite Relaxation of Completely Positive Programs, OptimA Workshop, University of Illinois Urbana-Champaign, March 2009 (invited).
- [P55] New Results on Non-Convex Quadratic Programming, Chinese University of Hong Kong, November 2008 (invited).
- [P56] Convex Hulls of Low-dimensional Quadratic Forms over Polytopes, INFORMS, Washington D.C., October 2008 (invited).
- [P57] On the Copositive Representation of Binary and Continuous Nonconvex Quadratic Programs, Ninth SIAM Conference on Optimization, Boston, May 2008 (invited).
- [P58] Representing NP-Hard Problems as Convex Programs, Northwestern University, Evanston, November 2007 (invited).

- [P59] On the Copositive Representation of Binary and Continuous Nonconvex Quadratic Programs, INFORMS, Seattle, November 2007 (invited).
- [P60] Representing NP-Hard Problems as Convex Programs, Second International Conference on Continuous Optimization (ICCOPT-II), McMaster University, Hamilton, Ontario, August 2007 (invited).
- [P61] An Introduction to Semidefinite Programming and Its Applications, INFORMS International, Puerto Rico, July 2007 (invited tutorial).
- [P62] Representing NP-Hard Problems as Convex Programs, Tepper School of Business, Carnegie Mellon University, Pittsburgh, March 2007 (invited).
- [P63] Representing NP-Hard Problems as Convex Programs, Department of Industrial Engineering, University of Pittsburgh, February 2007 (invited).
- [P64] Handling Free Variables in Conic Optimization with Application to Moment Relaxations, Nineteenth International Symposium on Mathematical Programming, Rio de Janeiro, August 2006 (invited).
- [P65] A Finite Branch-and-Bound Algorithm for Nonconvex Quadratic Programming via Semidefinite Programming, 21st European Conference on Operational Research, Iceland, July 2006 (invited).
- [P66] A Finite Branch-and-Bound Algorithm for Nonconvex Quadratic Programming via Semidefinite Programming, Department of Mathematics, University of Washington, February 2006 (invited).
- [P67] A Finite Branch-and-Bound Algorithm for Nonconvex Quadratic Programming via Semidefinite Programming, Department of Mathematics, North Carolina State University, February 2006 (invited).
- [P68] A Finite Branch-and-Bound Algorithm for Nonconvex Quadratic Programming via Semidefinite Programming, Workshop on Semidefinite Programming and Its Applications, National University of Singapore, Singapore, January 2006 (invited).
- [P69] A Finite Branch-and-Bound Algorithm for Nonconvex Quadratic Programming via Semidefinite Programming, INFORMS, San Francisco, November 2005 (invited).
- [P70] The Low-Rank Algorithm for Large-Scale Semidefinite Programming, University of Waterloo, Waterloo, October 2005 (invited).
- [P71] Solving Lift-and-Project Relaxations of Binary Integer Programs, University of Michigan, Ann Arbor, September 2005 (invited).
- [P72] Solving Lift-and-Project Relaxations of Binary Integer Programs, Tepper School of Business, Carnegie Mellon University, Pittsburgh, February 2005 (invited).
- [P73] Solving Lift-and-Project Relaxations of Binary Integer Programs, Workshop on Integer Programming and Continuous Optimization, Chemnitz University of Technology, Germany, November 2004 (invited).
- [P74] Computational Enhancements in Low-Rank Semidefinite Programming, INFORMS, Denver, October 2004 (invited).
- [P75] Computational Enhancements in Low-Rank Semidefinite Programming, First International Conference on Continuous Optimization (ICCOPT-I), Rensselaer Polytechnic Institute, Troy, August 2004 (invited).
- [P76] Maximum Stable Set Formulations and Heuristics Based on Continuous Optimization, SIAM Conference on Discrete Mathematics, Nashville, June 2004 (invited).
- [P77] Local Minima and Convergence in Low-Rank Semidefinite Programming, Workshop on Large Scale Nonlinear and Semidefinite Programming, University of Waterloo, Waterloo, May 2004 (invited).
- [P78] Solving Semidefinite Programs via Nonlinear Programming, University of Maryland, Baltimore County, Baltimore, November 2003 (invited).

- [P79] Local Minima and Convergence in Low-Rank Semidefinite Programming, INFORMS, Atlanta, October 2003 (invited).
- [P80] Semidefinite Programming in the Space of Partial Positive Semidefinite Matrices, Eighteenth International Symposium on Mathematical Programming, Copenhagen, August 2003 (invited).
- [P81] Semidefinite Programming in the Space of Partial Positive Semidefinite Matrices, INFORMS, San Jose, November 2002 (invited).
- [P82] Computational Experience with a Gradient-Based Algorithm for Semidefinite Programming, Seventh SIAM Conference on Optimization, Toronto, May 2002 (invited).
- [P83] Rank-Two Semidefinite Relaxation Heuristics for Max-Cut and Other Binary Quadratic Programs, Seventh SIAM Conference on Optimization, Toronto, May 2002 (invited).
- [P84] A Nonlinear Programming Algorithm for Solving Semidefinite Programs via Low-rank Factorization, Seventh SIAM Conference on Optimization, Toronto, May 2002 (invited).
- [P85] Solving Semidefinite Programs via Nonlinear Programming, Northwestern University, Evanston, April 2002 (invited).
- [P86] The Maximum Stable Set Problem: New Approaches via Continuous Optimization, McMaster University, Hamilton, March 2002 (invited).
- [P87] Rank-Two Semidefinite Relaxation Heuristics for Max-Cut and Other Binary Quadratic Programs, INFORMS, Miami, November 2001 (invited).
- [P88] Computing the Lovasz Theta Number of a Graph, INFORMS, Miami, November 2001 (invited).
- [P89] Maximum Stable Set Formulations and Heuristics Based on Continuous Optimization, Novel Approaches to Hard Discrete Optimization, University of Waterloo, Waterloo, April 2001 (contributed).
- [P90] Rank-Two Relaxation Heuristics for Maxcut, Seventh U.S.-Mexico Workshop in Numerical Analysis, Mérida, Mexico, January 2001 (contributed).
- [P91] A Nonlinear Programming Algorithm for Solving Semidefinite Programs via Low-Rank Factorization, INFORMS, San Antonio, November 2000 (invited).
- [P92] Solving Semidefinite Programs via Nonlinear Programming, INFORMS, San Antonio, November 2000 (invited).
- [P93] A Nonlinear Programming Algorithm for Solving Semidefinite Programs via Low-Rank Factorization, DIMACS Seventh Implementation Challenge, Rutgers, November 2000 (invited).
- [P94] A Nonlinear Programming Algorithm for Solving Semidefinite Programs via Low-Rank Factorization, Seventeenth International Symposium on Mathematical Programming, Atlanta, August 2000 (invited).
- [P95] Solving Semidefinite Programs via Nonlinear Programming: Transformations, Derivatives and Computational Results, Tokyo Institute of Technology, Tokyo, June 2000 (invited).
- [P96] A General Framework for Establishing Polynomial Convergence of Long-Step Methods for Semidefinite Programming, INFORMS, Salt Lake City, May 2000 (invited).
- [P97] Solving Semidefinite Programs via Nonlinear Programming: Transformations, Derivatives and Computational Results, INFORMS, Salt Lake City, May 2000 (invited).
- [P98] Solving Semidefinite Programs via Nonlinear Programming: Transformations, Derivatives and Computational Results, INFORMS, Philadelphia, November 1999 (invited).
- [P99] A General Framework for Establishing Polynomial Convergence of Long-Step Methods for Semidefinite Programming, Sixth SIAM Conference on Optimization, Atlanta, May 1999 (invited).

SOFTWARE

- *QuadProgBB version 20120229*, proposed and developed in publication [J23] (available from personal webpage)
- *OptDNN*, proposed and developed in publication [J26] (available from personal webpage)
- *SDPLR 1.03-beta*, proposed and developed in publications [J41], [J43], [J47], and [J53] and (available from personal webpage and over the Web at www-neos.mcs.anl.gov)
- *Max-AO*, proposed in publication [J48] (available on [GitHub](#))
- *CirCut*, proposed in publication [J49] (available from [coauthor](#))

COURSE DESIGN AND DEVELOPMENT

- Online *Data Programming in R* (Iowa MSCI:6060), Summer 2019
- *Business Analytics for Pharmacists* (pilot module for the Iowa Pharmacy Management Track), Spring 2018
- *Data and Decisions for Doctors* (module within the Iowa Healthcare Delivery Science and Management Track), Fall 2017
- *Applied Optimization* (Iowa MSCI:6130), Spring 2017
- *Data Programming in R* (Iowa MSCI:6060), Spring 2015
- *Optimization and Simulation Modeling* (Iowa MSCI:3800), Fall 2013
- *Seminar on Semidefinite Programming* (Carnegie Mellon 47-837), Spring 2007
- *Linear Programming* (Iowa 06K:286/MSCI:6600), Fall 2004

AWARDS AND HONORS

- President and Provost Award for Teaching Excellence, University of Iowa, 2022
- INFORMS UPS George D. Smith Prize (awarded to Department of Business Analytics), 2021
- Top 2% of researchers worldwide according to [2020 Stanford study](#)
- ICS Prize (“annual award for the best English language paper or group of related papers dealing with the Operations Research/Computer Science interface”), Computing Society of INFORMS, with Renato D.C. Monteiro, 2020
- Collegiate Teaching Award, University of Iowa Tippie College of Business, 2020
- Core Faculty Member of the Year, University of Iowa MBA, 2016 & 2017
- Innovations in Teaching Award for *Data Programming in R*, University of Iowa Tippie College of Business, 2017
- Third Place (out of 36 international teams), INFORMS Syngenta Crop Challenge, sponsored by Syngenta and the INFORMS Analytics Society, with B. Shetty and L. Tong, 2016
- Top 5 Most Downloaded, *Surveys in Operations Research and Management Science* journal, 2014
- Strategic Innovation Faculty Member of the Year, University of Iowa MBA, 2013
- Certificate of Excellence in Reviewing, *Operations Research Letters*, 2013
- Meritorious Service Award for Associate Editors, *Operations Research*, 2012
- G.R.E.A.T. Faculty Award (First Year), Des Moines Executive MBA Class of 2012, April 2012
- Dean’s Teaching Excellence Recognition, Fall 2005, Fall 2006, Fall 2011
- Dean’s Teaching Award in Management Sciences, 2011
- *Computational Optimization and Applications* Best Paper Award, 2009 for the paper [J33]. Award citation has appeared in: COAP 2009 Best Paper Award, *Computational Optimization and Applications*, 47:567-570, 2010
- Top 10 Most Highly Cited, *Optimization Methods and Software* journal, 2000-2008

- Honorable Mention, Young Researcher Competition, International Conference on Continuous Optimization, 2004
- New Hot Paper recognition by ISI Essential Science Indicators for the paper [J51]
- Optimization Prize for Young Researchers, Optimization Section of INFORMS, 2002
- Delta Sigma Pi Outstanding Faculty Award, University of Iowa, 2002
- Presidential Fellowship, Georgia Institute of Technology, 1997–2001
- Strahan Mathematics Award, University of Georgia, 1996
- Phi Beta Kappa member

PROFESSIONAL SERVICE AND EXTERNAL ACTIVITIES

Editorial positions

- Area Editor, *Operations Research*, 2020–present
- Associate Editor, *Mathematical Programming*, 2022–present
- Associate Editor, *SIAM Journal on Optimization*, 2011–present
- Associate Editor, *Management Science*, 2014–20
- Associate Editor, *Operations Research*, 2011–20
- Associate Editor, *Mathematics of Operations Research*, 2011–18
- Co-Editor, *Optima* (newsletter of the Mathematical Optimization Society), 2010–18
- Co-Editor, *Discrete Optimization*, special issue on Conic Discrete Optimization, 2014–16
- Associate Editor, *Operations Research Letters*, 2009–14
- Associate Editor, *Mathematical Programming Computation*, 2008–13
- Associate Editor, *Surveys in Operations Research and Management Science*, 2009–13
- Associate Editor, *Asia-Pacific Journal of Operational Research*, 2007–10

Society positions

- Vice Chair, Activity Group on Optimization (SIAG-OPT), Society of Industrial and Applied Mathematics (SIAM), 2020–22
- Member, Board of Directors, Computing Society, INFORMS, 2014–17
- Council Member, Mathematical Optimization Society, 2012–15
- Vice-Chair for Linear Programming and Complementarity, Optimization Society, INFORMS, 2008–10
- Member, INFORMS (Institute for Operations Research and the Management Sciences)
- Member, SIAM (Society for Industrial and Applied Mathematics)
- Member, MOS (Mathematical Optimization Society)

Conference organization

- Co-Chair for Committee’s Choice Cluster, Organizing Committee, INFORMS Annual Meeting, Phoenix, 2023
- Session Organizer, International Symposium on Mathematical Programming (ISMP), Bordeaux, France, 2018
- Member, Program Committee, SIAM Conference on Optimization (SIOPT), Vancouver, 2017
- Session Organizer, International Symposium on Mathematical Programming (ISMP), Pittsburgh, 2015
- Session Organizer, Eleventh SIAM Conference on Optimization, San Diego, 2014
- Member, Program Committee, 17th Conference on Integer and Combinatorial Optimization, Bonn, 2014
- Session Organizer, INFORMS Annual Meeting, Minneapolis, MN, 2013
- Session Organizer, Fourth International Conference on Continuous Optimization (ICCOPT-IV), Lisbon, 2013
- Session Organizer, International Symposium on Mathematical Programming (ISMP), Berlin, 2012

- Session Organizer, Modeling Optimization Conference: Theory and Applications (MOPTA), Bethlehem, PA, 2012
- Cluster Organizer, INFORMS Midwest Regional Meeting, Columbus, Ohio, 2011
- Session Organizer, Tenth SIAM Conference on Optimization, Darmstadt, Germany, 2011
- Session Organizer, INFORMS Annual Meeting, Austin, 2010
- Cluster and Session Organizer, INFORMS Annual Meeting, San Diego, 2009
- Cluster Organizer, INFORMS Annual Meeting, Washington D.C., 2008
- Session Organizer, Ninth SIAM Conference on Optimization, Boston, 2008
- Session Organizer, INFORMS Annual Meeting, Seattle, 2007
- Stream Co-Organizer and Session Chair, Second International Conference on Continuous Optimization (ICCOPT-II), McMaster University, Hamilton, Ontario, 2007
- Session Chair, EURO XXI, Reykjavik, Iceland, 2006
- Session Chair, INFORMS Annual Meeting, San Francisco, 2005
- Session Chair, INFORMS Annual Meeting, Atlanta, 2003

Referee positions, prize committees, and review panels

- Chair, SIAM Activity Group on Optimization Best Paper Prize committee, 2023
- Member, INFORMS Optimization Society Balas Prize committee, 2021
- National Science Foundation review panel, 2007, 2012, 2014, 2020
- Chair, INFORMS Optimization Society Young Researcher Prize committee, 2020
- INFORMS Nicholson Student Paper Prize committee (two-year terms), 2010–12, 2018–20
- Chair, University of Nebraska MS in Business Analytics Program Review, 2017
- Chair, INFORMS Optimization Society Young Researcher Prize committee, 2016
- Member, INFORMS Optimization Society Young Researcher Prize committee, 2015
- Member, Evaluation Team for ICIAM15 (International Congress on Industrial and Applied Mathematics 2015) Travel Awards, 2015
- Member, INFORMS Optimization Society Young Researcher Prize committee, 2013
- Member, ICCOPT 2013 Young Researcher Prize committee, 2013
- Member, INFORMS Junior Faculty Interest Group Paper Prize committee, 2012
- Member, Mixed Integer Programming Workshop Poster Award committee, 2012
- Chair, INFORMS Computing Society Paper Prize committee, 2011
- INFORMS Computing Society Paper Prize committee, 2010
- INFORMS Optimization Society Student Paper Prize committee, 2009
- Referee for *Mathematical Programming*, *SIAM Journal on Optimization*, *Optimization Methods and Software*, *Optimization Letters*, *INFORMS Journal on Computing*, *Journal of Global Optimization*, *Computational Optimization and Applications*, *Discrete Applied Mathematics*, *Discrete Optimization*, *Mathematics of Operations Research*, *Operations Research*, *Optimization and Engineering*, *4OR*, *Annals of Operations Research*, *ANZIAM Journal*, *Automatica*, *European Journal of Operational Research*, *Foundations of Computational Mathematics*, *INFORMS Transactions on Education*, *International Transactions on Operational Research*, *Journal of Computational and Graphical Statistics*, *RAIRO*, *SIAM Review*, *TOP*

Additional training

- *UI Student Judicial Procedures and Sexual Violence Investigation Strategies and Response* offered by the University of Iowa, 2015
- *Statement of Accomplishment with Distinction* for Coursera course *R Programming*, 2015
- *The Intersection of Title IX and Title VII in Higher Education: What Every Faculty Grievance Panel Needs to*

Know offered by the University of Iowa, 2014

- *TILE Classroom Essentials* offered by the University of Iowa, 2013
- *Lean Academy Course* offered by the Lean Aerospace Initiative, 2006

Consulting and external seminars

- Medcara Pharmaceuticals, 2012
- Caterpillar, 2011–12
- Discover Financial Services, 2008

UNIVERSITY SERVICE

- Member, Tippie College of Business Research Committee, 2021–22
- Member, Business Analytics Lecturer Recruiting Committee, 2021–22
- Chair, Business Analytics Faculty Recruiting Committee, 2021–22
- Chair, Promotion-and-Tenure Tippie College Consulting Group, 2020–21
- Organizer, Business Analytics Seminar Series, 2020–21. (Also contributed to the initial Tippie Thought Leaders Seminar Series.)
- Advisory Board Member, FutureBAProf Workshop for the Department of Business Analytics, 2019–20
- Member, Tippie Dean's Search Committee, 2019–21
- Member, Promotion-and-Tenure Tippie College Consulting Group, 2019–20
- Member, Promotion-and-Tenure Departmental Review Committee, Department of Management Sciences, 2013–14, 2018–19
- Member, JMPEC Advisory Board, 2018–19
- Vice-Chair, Elected Faculty Council, Tippie College of Business, 2017–18
- Member, Strategic Plan Review Committee, Tippie College of Business, 2016–17
- Member, Management Sciences Faculty Recruiting Committee, 2001–02, 2005–06, 2007–08, 2016–17
- Member, Elected Faculty Council, Tippie College of Business, 2016–17
- Member, Graduate Education Task Force, Graduate College, 2015–16
- Member, Department Secretary Search Committee, Department of Management Sciences, 2015
- Member, Post-Tenure Review Committee, Department of Management Sciences, 2013–14
- Chair, Analytics Master's Proposal Committee, Department of Management Sciences, 2013–15
- Member, Management Sciences Graduate Committee, 2003–05, 2006–07, 2013–15
- Member, Faculty Judicial Commission, 2013–16
- Member, Internal Funding Initiatives Review, Office of the VP for Research and Economic Development, 2013–15
- Chair, Management Sciences Faculty Recruiting Committee, 2012–13
- Member, AMCS (Applied Mathematical and Computational Sciences) Executive Committee, 2012–18
- Member, Management Sciences Internal Evaluation Sub-Committee, 2008–09, 2012–13, 2015–16
- Member, Core MBA Committee, 2002–03, 2010–11, 2012–13
- Member, Collegiate and Dean Teaching Awards Committee, 2011–12, 2012–13
- Member, AMCS (Applied Mathematical and Computational Sciences) Admission Committee, 2011–12
- Member, University of Iowa Faculty Engagement Corps, 2010
- Secretary, Elected Faculty Council, Tippie College of Business, 2008–10
- Organizer, Management Sciences Seminar Series, 2001–02, 2006–07
- Executive MBA Committee, 2003–05

ADVISING, MENTORING, AND SUPERVISING

Ph.D. Advisor

| | | |
|---------------|---|-------------|
| Guanglin Xu | Management Sciences University of Minnesota (initial) U of North Carolina at Charlotte (current) | 2017 Summer |
| Boshi Yang | Appl Math and Comp Sci Carnegie Mellon University (initial) Clemson University (current) | 2015 Summer |
| Hongbo Dong | Appl Math and Comp Sci (with K. Anstreicher) University of Wisconsin Madison (initial) Facebook (current) | 2011 Fall |
| Jieqiu Chen | Management Sciences Argonne National Laboratory (initial) Microsoft (current) | 2010 Summer |
| Changhui Choi | Management Sciences University of Colorado Denver (initial) Korea Insurance Research Institute (current) | 2007 Spring |

Sponsored Postdoctoral Fellows

| | | |
|-------------|--|---------------------------|
| Nayoung Cho | Management Sciences (with A. Campbell) | 2009 Spring – 2010 Summer |
|-------------|--|---------------------------|

Ph.D. Committee

| | | |
|--------------------|----------------------------------|------------------------|
| Michael Kratochvil | Appl Math and Comp Sci | 2022 Summer (expected) |
| Alex Wang | Carnegie Mellon University | 2022 Summer (expected) |
| Jiaming Liang | Georgia Institute of Technology | 2022 Spring (expected) |
| Sara Reed | Appl Math and Comp Sci | 2021 Summer |
| Runchao Ma | Business Analytics | 2021 Summer |
| Hassan Rafique | Appl Math and Comp Sci | 2020 Summer |
| Enrico Bettiol | Université Paris 13 | 2019 Fall |
| Areesh Mittal | University of Texas at Austin | 2019 Spring |
| Xiaolong Kuang | Lehigh University | 2017 Spring |
| Silviya Valeva | Appl Math and Comp Sci | 2017 Spring |
| Zhenzhen Yan | National University of Singapore | 2017 Spring |
| Santanu Bhowmick | Computer Science | 2017 Spring |
| Nathaniel Richmond | Appl Math and Comp Sci | 2016 Fall |
| Vivek Sardeshmukh | Computer Science | 2016 Summer |
| Fahrettin Cakir | Management Sciences | 2016 Summer |
| Huan Jin | Management Sciences | 2016 Summer |
| Alexander Vinel | Industrial Engineering | 2015 Spring |
| Amit Verma | Management Sciences | 2014 Summer |
| Alexander Michalka | Columbia University | 2013 Summer |
| Lian Duan | Management Sciences | 2012 Summer |
| Moh. Khoshneshin | Management Sciences | 2012 Summer |
| Gaurav Kanade | Computer Science | 2011 Summer |
| Nicholas Liefker | Management Sciences | 2010 Summer |
| Jon Van Laarhoven | Mathematics | 2010 Spring |
| Samid Hoda | Carnegie Mellon University | 2010 Spring |

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|----------------------|----------------------------|-------------|
| Policarpio Soberanis | Industrial Engineering | 2009 Fall |
| Benton McCune | Computer Science | 2009 Fall |
| Chih-Lin Chi | Health Informatics | 2009 Summer |
| Dengfeng Zhang | Management Sciences | 2008 Fall |
| Anureet Saxena | Carnegie Mellon University | 2008 Spring |
| Kaan Ataman | Management Sciences | 2007 Summer |
| Rajiv Raman | Computer Science | 2007 Spring |
| Thaddeus Sim | Management Sciences | 2007 Spring |
| Victoria Shimanovich | Computer Science | 2006 Summer |
| Yi Zhang | Management Sciences | 2006 Summer |

Ph.D Qualifying / Comprehensive / Preliminary Committee

| | | |
|---------------------|------------------------|------------------------|
| Sarah Powell | Business Analytics | 2021 Fall |
| Yankun Huang | Business Analytics | 2021 Summer |
| Sara Reed | Appl Math and Comp Sci | 2019 Spring |
| Sadjad Anzabi Zadeh | Management Sciences | 2018 Fall |
| Xiexin Liu | Management Sciences | 2018 Fall |
| Maryam Moghaddam | Management Sciences | 2018 Fall |
| Hassan Rafique | Appl Math and Comp Sci | 2018 Fall |
| Michael Redmond | Management Sciences | 2017 Fall |
| Runchao Ma | Management Sciences | 2016 Fall, 2017 Fall |
| Yuanyang Liu | Management Sciences | 2016 Fall |
| Cole Stiegler | Appl Math and Comp Sci | 2016 Spring |
| Bhupesh Shetty | Management Sciences | 2015 Summer |
| Santanu Bhowmick | Computer Science | 2015 Spring |
| Vivek Sardeshmukh | Computer Science | 2014 Fall |
| Preethi Isaac | Management Sciences | 2014 Spring |
| Guanglin Xu | Management Sciences | 2014 Spring |
| Xi Chen | Management Sciences | 2014 Spring |
| Wenjun Wang | Management Sciences | 2014 Spring |
| Huan Jin | Management Sciences | 2014 Spring |
| Fahrettin Cakir | Management Sciences | 2013 Spring |
| Stacy Voccia | Management Sciences | 2013 Spring |
| Qiong Zhang | Management Sciences | 2013 Spring |
| Shu Zhang | Management Sciences | 2013 Spring |
| Huan Jin | Management Sciences | 2012 Fall |
| Kamal Lamsal | Management Sciences | 2012 Spring |
| Chuanjie Liao | Management Sciences | 2012 Spring |
| Senay Yasar Saglam | Management Sciences | 2011 Spring |
| Amit Verma | Management Sciences | 2010 Fall, 2012 Spring |
| Lian Duan | Management Sciences | 2010 Spring |
| Hongbo Dong | Appl Math and Comp Sci | 2009 Fall |
| Gaurav Kanade | Computer Science | 2008 Fall |
| Darin Mohr | Appl Math and Comp Sci | 2008 Summer |
| Seyon Yoon | Appl Math and Comp Sci | 2007 Fall |
| Nicholas Liefker | Management Sciences | 2007 Fall |
| Justin Goodson | Management Sciences | 2007 Fall |
| Jieqiu Chen | Management Sciences | 2007 Fall |

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|----------------|---------------------|-------------|
| Chih-Lin Chi | Health Informatics | 2007 Spring |
| Benton McCune | Computer Science | 2006 Fall |
| Hui Chen | Management Sciences | 2006 Spring |
| Dengfeng Zhang | Management Sciences | 2005 Fall |
| Thaddeus Sim | Management Sciences | 2005 Fall |
| Benton McCune | Computer Science | 2005 Spring |
| Rajiv Raman | Computer Science | 2004 Fall |

Graduate or Undergraduate Project Advisor

| | | |
|--------------------|------------------------|-------------|
| Sara Reed | Appl Math and Comp Sci | 2020 Spring |
| Ling Tong | Management Sciences | 2016 Spring |
| Bhupesh Shetty | Management Sciences | 2016 Spring |
| Jeff Landgren | Appl Math and Comp Sci | 2015 Fall |
| Deepakkumar Rohida | MBA | 2010–11 |
| Kevin Kotek | Management Sciences | 2010 Summer |
| Daniela Navarro | Management Sciences | 2006 Summer |

Directed Readings

| | | |
|-----------------|------------------------|-------------|
| Natalie Clark | Appl Math and Comp Sci | 2013 Fall |
| Anonya Bagchi | MBA | 2013 Spring |
| Danielle Walker | MBA | 2013 Spring |
| Pankaj Kumar | MBA | 2013 Spring |
| Scott Marsh | MBA | 2012 Spring |
| Isaac Hess | MBA | 2012 Spring |

Graduate Mentor (Ethnic Inclusion Effort for Iowa Engineering)

| | | |
|---------------|------------------------|---------|
| James Ratliff | Industrial Engineering | 2011–13 |
|---------------|------------------------|---------|

Sponsored Short-Term Visitors

| | | |
|----------------------|--|---------------------------|
| Anders Eltvéd | Technical University of Denmark, Denmark | 2019–20 September–January |
| Nicolo Gusmeroli | University of Klagenfurt, Austria | 2019 April–May |
| Peter J.C. Dickinson | University of Groningen, Netherlands | 2012 March |
| Mirjam Dür | University of Groningen, Netherlands | 2007 June |