

Thayer Morrill

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ACADEMIC APPOINTMENT

Professor, North Carolina State University, 2020 – present.
Visiting Associate Professor, Stanford University, 2020 – 2021.
Associate Professor, North Carolina State University, 2015 – 2020.
Assistant Professor, North Carolina State University, 2008 – 2015.

EDUCATION

Ph.D. Economics, University of Maryland, College Park, 2008
M.A. Mathematics, University of Wisconsin, Madison, 1999
B.S. Mathematics, Miami University, Oxford, Ohio, *Summa Cum Laude*, 1997

FIELDS OF SPECIALIZATION

Matching Theory, Game Theory, Economics of Education, Auction Theory

NONACADEMIC EXPERIENCE

Consultant, Auction Consulting, Market Design Inc. 2004 – 2020
Assisted in the design and implementation of high-stakes spectrum and natural gas auctions in Trinidad and Tobago, Hungary, and Denmark
Actuary, Watson Wyatt Worldwide, Washington, DC 2000 – 2003

GRANTS

NSF #1824744. “Decentralized Engineering Decision Models to Support Product Transitions” (with R. Uzsoy (PI), K. Kempf, and O. Ozaltin), Sept., 2018 – Aug., 2021, \$618,910.

PUBLICATIONS

“Interview Hoarding” (with Vikram Manjunath), *Theoretical Economics*, forthcoming.
“Family Ties: School Assignment with Siblings” (with Umut Dur and Will Phan), *Theoretical Economics*, 17.1, (2022), 89 – 120.
“Efficient and (pretty) fair course assignment with quotas” (with Martin Bichler, Alexander Hammerl, and Stefan Waldherr), *Information Systems Research*, 32.2 (2021), 335-355.
“Obvious Manipulations” (with Peter Troyan), *Journal of Economic Theory*, 185 (2020), 104970.
“(Il)legal School Choice” (with Lars Ehlers), *Review of Economic Studies*, 87.4 (2020): 1837 – 1875.
“What You Don’t Know Can Help You in School Assignment” (with Umut Dur), *Games and Economic Behavior*, 120 (2020), 246-256.
“The Secure Boston Mechanism: Theory and Experiments” (with Umut Dur and Robert Hammond) *Experimental Economics*, 22.4 (2019), 918-953.
“Competitive Equilibria in School Assignment” (with Umut Dur) *Games and Economic Behavior*, 108 (2018), 269 – 274.
“Identifying the Harm of Manipulable School-Choice Mechanisms” (with Umut Dur and Robert Hammond) *AEJ: Economic Policy*, 10 (2018), 187 – 213.

- “Efficient Procurement Auctions with Increasing Returns” (with Oleg Baranov, Christina Aperjis, and Lawrence Ausubel) *AEJ: Microeconomics*, 9 (2017), 1-27.
- “Personality Traits and Bidding Behavior in Competing Auctions” (with Robert Hammond) *Journal of Economic Psychology*, 57 (2016), 39 - 55.
- “Making Just School Assignments”, *Games and Economic Behavior*, 92 (2015), 18 - 27.
- “Two Simple Variations of Top Trading Cycles,” *Economic Theory*, 60 (2015), 123 - 140.
- “Sequential Kidney Exchange,” (with Lawrence Ausubel), *AEJ: Microeconomics*, (2014), 265 – 285.
- “Strategic Exclusion of the Highest-Valued Bidders in Wholesale Automobile Auctions,” (with Robert G. Hammond) *Economic Inquiry*, 52 (2014), 1219 – 1230.
- “An Alternative Characterization of the Deferred Acceptance Algorithm,” *International Journal of Game Theory*, 42 (2013), 19 – 28.
- “An Alternative Characterization of Top Trading Cycles,” *Economic Theory*, 54 (2013), 181 – 197.
- “Intergenerational Links in Female Labor Force Participation” (with Melinda Morrill), *Labour Economics*, 20 (2013), 38 – 47.
- “Network Formation Under Negative Degree-Based Externalities,” *International Journal of Game Theory*, 40 (2011), 367 – 385.
- “The Roommates Problem Revisited,” *Journal of Economic Theory*, 145 (2010), 1739 - 1756

PAPERS UNDER REVIEW

- “Partitionable Choice Functions” (with Umut Dur and Will Phan).
- “The Attraction of Magnet Schools: Evidence from Embedded Lotteries in School Assignment” (with Umut Dur, Robert Hammond, Matthew Lenard, Melinda Morrill, and Colleen Paepflow).

WORK IN PROGRESS

- “Ranking Objects that Rank Back”

GRANTS AND AWARDS

- Teaching Award, Dept. of Economics, NC State University, 2022.
- Research Leadership Award, Dept. of Economics, NC State University 2020.
- Summer Research Award, Poole College of Management, 2020.
- Zelnak Scholar, Poole College of Management, 2016-2017.
- Research Leadership Award, Dept. of Economics, NC State University 2015.
- Research Leadership Award, Dept. of Economics, NC State University 2012.
- Research Growth & Innovation Award, Dept. of Economics, NC State University 2011.
- Gill Grant, NC State University, 2009 – 2011.
- Faculty Research Grant, NC State University, 2011.
- University of Maryland Dean’s Dissertation Fellowship, 2007 – 2008
- Fellowship, University of Maryland, 2003 – 2005
- Barry M. Goldwater Scholarship (Congressional Award for Undergraduate Research in Mathematics and the Physical Sciences), 1997

UNIVERSITY SERVICE

- Program Review (external reviewer), Department of Economics, University of Texas at San Antonio, 2022.

Renewal, Tenure, and Promotion Committee, Poole College of Management, 2017 – 2019.
Program Review (internal reviewer), Department of Operations Research, NC State, 2016.

ADVISING

Kihong Kim (expected 2023)
William Harris (expected 2023)
Greg Hauser (2022)
Abdullah Almeer (2022)
John Westall (2021)
Siyuan Liu (co-advisor, 2021)
Hossein Tohidi (2020)
Yifan Xie (2020)
Fatma Kalkan (2020)
Feier Lian (2019)
Ankit Bansal (2019)
Zhiyi Xu (2018)
Chrystelle Khalaf (2017)
Huijie Yu (2015)
Erdogan Hatunoglu (2014)
Boris Zhukov (2013)
Quingxin He (2013)

TEACHING EXPERIENCE

Microeconomic Theory II (Ph.D. Core), 2011 – 2021.
Game Theory (undergraduate), 2018 – present.
Topics in Game Theory (Ph.D.), 2010 – 2019.
Introduction to Microeconomics (honors), 2013 – 2016.
Economics of Business Strategy (Capstone Course), 2010 – 2012.
Pre-Ph.D. Microeconomic Theory, Fall 2008 – 2010

CONFERENCE AND WORKSHOP PRESENTATIONS

2022 – EC '22 (Boulder, CO), Iowa State Workshop on Market Design
2021 - INFORMS
2020 – Stanford University, Johns Hopkins University, UC Davis, Iowa State University (covid casualty)
2019 – CED '19 (Budapest, Hungary), EC '19 (Phoenix)
2018 – University of Colorado Boulder, INFORMS Workshop on Mathematical Optimization in Market Design (co-organizer), Frontiers in Market Design Conference (Lund, Sweden), Ottawa, Informs (Phoenix), Wake Forest University
2017 – University of Virginia, Informs (Houston)
2016 – Virginia Tech, Games 2016, EC 16, Workshop on Market Design Technologies (Yokohama, Japan), Carnegie Mellon, Wake Forest, Informs (Nashville), CIREQ microeconomic theory conference (Montreal), Workshop on Matching and Market Design (Santiago, Chile)
2015 – Boston College, Texas A&M, Informs (Philadelphia), Matchup 2015 (Glasgow)
2014 – Social Choice and Welfare (Boston), Informs (San Francisco)
2013 – Society of Economic Design (Lund), Informs (Minneapolis)
2012 – GAMES 2012 (Istanbul), Matchup 2012 (Budapest), IIOC, Informs (Phoenix)
IIOC.

2009 - 14th Coalition Theory Network Workshop (Maastricht).
2008 - GAMES 2008 (Evanston).
2007 - DIMACS (New Brunswick)

PROFESIONAL SERVICE

Treasurer, INFORMS Auctions and Market Design section.

Program Committee: EC '15, EC '17, EC '19, EC '20.

Program Committee: Match-Up 2019.

Selection Committee Chair: EC '20 Best Presentation Award

Selection Committee: EC '19 Best Presentation Award

Referee for: *Econometrica*, *Journal of Political Economy*, *Quarterly Journal of Economics*, *Journal of Economic Theory*, *Theoretical Economics*, *Management Science*, *American Economic Journal: Economic Policy*, *American Economic Journal: Microeconomics*, *Economic Theory*, *Games and Economic Behavior*, *International Economic Review*, *Social Choice and Welfare*, *Journal of Mathematical Economics*, *Journal of Environmental Economics and Management*, *Review of Economic Design*, *Journal of Market Design and Innovation*, *Economics Bulletin*.