

# Thayer Morrill

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## ACADEMIC APPOINTMENT

*Associate Professor*, North Carolina State University, 2015 – present.  
*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, Auction Theory

## NONACADEMIC EXPERIENCE

*Consultant*, Auction Consulting, Market Design Inc. 2004 – present  
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

“The Secure Boston Mechanism: Theory and Experiments” (with Umut Dur and Robert Hammond) *Experimental Economics*, forthcoming.  
“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**

- “What You Don’t Know Can Help You in School Assignment” (with Umut Dur) conditionally accepted, *Games and Economic Behavior*.
- “The Impossibility of Restricting Tradeable Priorities in School Assignment” (with Umut Dur), conditionally accepted, *Journal of Market Design and Innovation*.
- “(Il)legal School Choice” (with Lars Ehlers), *revision requested Review of Economic Studies*.
- “Obvious Manipulations” (with Peter Troyan)
- “Efficient and (pretty) fair course assignment with quotas” (with Martin Bichler, Alexander Hammerl, and Stefan Waldherr).

#### **WORK IN PROGRESS**

- “Family Ties: School Assignment with Siblings”

#### **GRANTS AND AWARDS**

- 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

#### **TEACHING EXPERIENCE**

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

#### **CONFERENCE AND WORKSHOP PRESENTATIONS**

- 2018 – University of Colorado Boulder, INFORMS Workshop on Mathematical Optimization in Market Design (co-organizer), Frontiers in Market Design Conference (Lund, Sweden), Ottawa, Informatics (Phoenix), Wake Forest University
- 2017 – University of Virginia, Informatics (Houston)
- 2016 – Virginia Tech, Games 2016, EC 16, Workshop on Market Design Technologies (Yokohama, Japan), Carnegie Mellon, Wake Forest, Informatics (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 - 14<sup>th</sup> 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.

Referee for: *Econometrica*, *Journal of Political Economy*, *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*.