

Research Interests:

Microeconomic Theory, Mathematical Economics, Game Theory, Industrial Economics, Public Economics, Mechanism Design.

List of Published and Forthcoming Papers:

- “How to Recognize a Single-Issue Spatial Election,” *Journal of Mathematical Economics* (2008) forthcoming.
- “Marriage Matching and Gender Satisfaction,” *Social Choice and Welfare*, (2009) 32: 15-27.
- “Binary Relations: Finite Characterizations and Computational Complexity,” *Theory and Decision*, 65 (2008) 27-44.
- “Spatial Voting with Endogenous Timing,” (with S. Huck and W. Mueller), *Journal of Institutional and Theoretical Economics*, 162 (2006) 557-570.
- “Continuously Representable Paretian Quasi-Orders,” *Theory and Decision*, 60 (2006) 1-16.
- “Characterizing Paretian Preferences,” *Social Choice and Welfare*, 25 (2005) 179-186.
- “Continuous Lexicographic Preferences,” *Journal of Mathematical Economics*, 41 (2005) 812-825.
- “On the Profitability of Collusion in Location Games,” (with S. Huck and W. Mueller) *Journal of Urban Economics*, 54 (2003) 499-510.
- “An Easy Proof that a Square Lattice is an Equilibrium for Spatial Competition in the Plane,” *Journal of Urban Economics*, 51 (2002) 46-53.
- “Using Elections to Represent Preferences,” *Social Choice and Welfare*, 18 (2001) 823-831.
- “Lexicographic Orders and Preference Representation,” *Journal of Mathematical Economics*, 34 (2000) 255-267.
- “Order Isomorphisms for Preferences with Intransitive Indifference,” *Journal of Mathematical Economics*, 30 (4) (1998), 421-431.
- “A Pure Strategy Nash Equilibrium for a Three-Firm Location Game on a Two Dimensional Set,” *Location Science*, 4 (4) (1997), 247-250.
- “Continuous Strategy Games as Location Games,” *Journal of Economic Theory*, 66 (1) (1995), 165-177.

“Geometric Versions of Finite Games: Prisoner’s Dilemma, Entry Deterrence and a Cyclical Majority Paradox,” *International Journal of Game Theory*, 24 (1995), 65-177.

“Computable Strategies for Repeated Prisoner’s Dilemma,” *Games and Economic Behavior*, 7, (1994), 381-389.

“Recovering Homothetic Preferences,” *Economics Letters*, 82 (3) (1993), 41-45.

“A Tight Upper Bound on the Money Metric Utility Function,” *American Economic Review*, 82 (3) (1992), 660-663.

“Generalizing Location Games to a Graph,” *Journal of Industrial Economics*, 39 (6) (1991), 683-688.

Working Papers:

“[Three-Agent Peer Evaluations](#),” 2008.

“[Marriage Matching and Intercorrelated Preferences](#),” (with James W. Boudreau), 2007.

“[Marriage Matching with Correlated Preferences](#),” (with Onur B. Celik), 2006.

Research on Electricity Markets:

Senior Personnel, NSF Grant No. ECS-0323685 “Robustness, Efficiency and Security of Electric Power Grids in a Market Environment” (with P. Luh (PI) and D. Pepyne) 9/2003-8/2007. \$470, 000 per: “Can a Newly Proposed Mechanism for Allocating Contracts in U.S. Electricity Wholesale Markets Lead to Lower Prices?” 2004. (Revision in progress with Nicholas Shunda).