

M. Utku Ünver

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ACADEMIC APPOINTMENTS

- Associate Professor, Boston College, Department of Economics, Chestnut Hill, MA, USA (Sep 2008-present) *tenured (May 2008)*
- Assistant Professor, University of Pittsburgh, Department of Economics, Pittsburgh, PA, USA (Sep 2005-Aug 2008) *voted for full professor (Nov 2007)*
- Assistant Professor, Koç University, Department of Economics, İstanbul, Turkey (Sep 2000-Aug 2005).
- Research Fellow, Harvard Business School, Boston, MA USA (Sep 2002-Aug 2003).

EDUCATION

- Ph.D. in Economics, University of Pittsburgh, Pittsburgh, PA, USA (1995-2000)
- M.A. in Economics, Bilkent University, Ankara, Turkey (1993-1995)
- B.S. in Electrical and Electronics Engineering, Bilkent University, Ankara, Turkey (1989-1993)

AREAS OF INTEREST

- Microeconomic Theory
 - Game Theory, Market Design, Mechanism Design, and Social Choice
 - Matching, Exchange, and Allocation of Discrete Resources
- Agent-Based Computational Economics
- Experimental Economics

GOOGLE SCHOLAR CITATIONS ≥ 595

SSCI/SCI CITATIONS ≥ 193

PUBLICATIONS

1. "Dynamic Kidney Exchange." *Review of Economic Studies*, forthcoming.
2. "House Allocation with Existing Tenants: A Characterization." (with Tayfun Sönmez), *Games and Economic Behavior*, forthcoming.
3. "Course Bidding at Business Schools." *International Economic Review*, forthcoming (Feb., 2010) (with Tayfun Sönmez)
4. "Matching, Allocation, and Exchange of Discrete Resources." in Jess Benhabib, Alberto Bisin, and Matthew Jackson (eds.), *Handbook of Social Economics*. Elsevier, forthcoming (with Tayfun Sönmez).
5. "A Non-simultaneous Extended Altruistic Donor Chain." *The New England Journal of Medicine*, (Mar., 2009) 360 (11): 1096-1101 (with Rees, Michael A. , Jonathan E. Kopke , Ronald P. Pelletier, Dorry L. Segev, Matthew E. Rutter, Alfredo J. Fabrega, Jeffrey Rogers, Oleh G. Pankewycz, Janet Hiller, Alvin E. Roth, Tuomas Sandholm, Robert A. Montgomery).
6. "Internet Auctions with Artificial Adaptive Agents: A Study on Market Design." *Journal of Economic Behavior and Organization*, (Aug., 2008) 67 (2): 394-417 (with John Duffy).
7. "Improving the Efficiency of Course Bidding at Business Schools: Field and Laboratory Studies." *Marketing Science*, (Mar.-Apr., 2008) 27 (2): 262-282 (with Aradhna Krishna).
8. "Random Paths to Pairwise Stability in Many-to-Many Matching Problems: A Study on Market Equilibration." *International Journal of Game Theory*, (Mar., 2008) 36 (3-4): 473-488, in the special issue honoring David Gale's 85th birthday (with Fuhito Kojima).
9. "Unraveling Results from Inefficient Matching: Evidence from Post-Season College Football Bowls." *RAND Journal of Economics*, (Winter, 2007) 38 (4): 967-982 (with Guillaume Frechette and Alvin E. Roth).
10. "Efficient Kidney Exchange: Coincidence of Wants in Markets with Compatibility Based Preferences." *American Economic Review* (Jun., 2007) 97 (3): 828-851 (with Alvin E. Roth and Tayfun Sönmez).
11. "Equilibrium Selection and the Role of Information in Repeated Matching Markets." *Economics Letters* (Feb., 2007) 94: 284-289 (with Ernan Haruvy).
12. "Utilizing List Exchange and Non-directed Donation through "Chain" Paired Kidney Donations." *American Journal of Transplantation*, (Nov, 2006) 6: 2694-2705 (with Alvin E. Roth, Tayfun Sönmez, Francis L. Delmonico, and Susan L. Saidman).
13. "Games of Capacity Manipulation in Hospital-Intern Markets." *Social Choice and Welfare*, (Aug., 2006) 27: 3-24 (with Hideo Konishi).
14. "Credible Group Stability in Many-to-Many Matching Problems." *Journal of Economic Theory*, (Jul., 2006) 129: 57-80 (with Hideo Konishi).

15. "Asset Price Bubbles and Crashes with Near-Zero-Intelligence Traders." *Economic Theory*, (Apr., 2006) 27: 537–563 (with John Duffy).
16. "The Dynamics of Law Clerk Matching: An Experimental and Computational Investigation of Proposals for Reform of the Market." *Journal of Economic Dynamics and Control*, (Mar., 2006) 30: 457-486 (with Ernan Haruvy and Alvin E. Roth).
17. "Increasing the Opportunity of Live Kidney Donation By Matching for Two and Three Way Exchanges" *Transplantation* (Mar, 2006) 81: 773–782 (with Susan L. Saidman, Alvin E. Roth, Tayfun Sönmez, and Francis L. Delmonico).
18. "Pairwise Kidney Exchange." *Journal of Economic Theory* (Dec., 2005) 125: 151-188 (with Alvin E. Roth and Tayfun Sönmez).
19. "House Allocation with Existing Tenants: An Equivalence." *Games and Economic Behavior*, (Jul., 2005) 52: 153-185 (with Tayfun Sönmez).
20. "On the Survival of Some Unstable Two-Sided Matching Mechanisms." *International Journal of Game Theory*, (Jun., 2005) 33: 239-254.
21. "A Kidney Exchange Clearinghouse in New England." *American Economic Review Papers and Proceedings*, (May, 2005) 95(2): 376-380 (with Alvin E. Roth and Tayfun Sönmez).
 - (a) "Kidney Paired Donation with Compatible Pairs." *American Journal of Transplantation*, (2007) 7: 1, (with Alvin Roth and Tayfun Sönmez).
22. "Room Assignment-Rent Division: A Market Approach." *Social Choice and Welfare*, (Jun., 2004) 22: 515-538 (with Atila Abdulkadiroğlu and Tayfun Sönmez).
23. "Kidney Exchange." *Quarterly Journal of Economics*, (May, 2004) 119: 457-488 (with Alvin E. Roth and Tayfun Sönmez).
24. "On Determination of Reserve Price in Auctions when the Ranking of Valuations is Common Knowledge." in Murat R. Sertel and Semih Koray (Eds.), *Advances in Economic Design*. Springer-Verlag : Berlin (2003) 79-94 (with A. Alexander Elbittar).
25. "Backward Unraveling over Time: The Evolution of Strategic Behavior in the Entry-Level British Medical Labor Markets." *Journal of Economic Dynamics and Control*, (Jun., 2001) 25: 1039-1080.

WORKING PAPERS

1. "A Theory of House Allocation and Exchange Mechanisms." (with Marek Pycia)
2. "Ideology and Existence of 50%-Majority Equilibria in Multidimensional Spatial Voting Models" (with Herve Crés)
3. "Market Mechanisms for Fair Allocation of Indivisible Goods with Money"

4. "Unraveling Results from *Comparable* Demand and Supply: An Experimental Investigation." (with Muriel Niederle and Alvin E. Roth)

PROFESSIONAL PRIZES, AWARDS, and HONORS

- President, *Society for Economic Design* (2008-present)
- Outstanding Faculty, *University of Pittsburgh* (2006) (intramural).
- Research Promotion Award, *Prof. Dr. Mustafa Parlar Foundation* (2005).
- Encouragement Award in Social Sciences, *Turkish Academy of Sciences (TÜBA)* (2004).
- Outstanding Graduate Student, *University of Pittsburgh* (2000) (intramural).
- Best Graduate Student Paper Prize, *Society for Computational Economics* (1999).

GRANTS

- *National Science Foundation* Grant for "Collaborative Research: Kidney Exchange" (No: SES #0616689) *Principal Investigator* (2006-2008) (grant amount: \$69,870).
- Faculty of Arts and Sciences Summer Research Award, *University of Pittsburgh* (2006) (stipend amount: \$4000) (intramural).
- Distinguished Young Scientist Award (GEBİP), *Turkish Academy of Sciences (TÜBA)* (2005) (grant amount - net of university costs: ~\$23,000).
- *National Science Foundation* Grant for "EHP: Market Culture, Performance, and the Timing of Transactions" (No: SES #0338619) *Co-Principal Investigator* (2004-2009) (grant amount: \$323,338 including two other PIs).
- Summer Grant, *Koç University* (Summer, 2001 and Summer, 2003) (grant amount: \$2,600 each) (intramural).

PROFESSIONAL SERVICE

- Editorial Service:
 - B.E. Journal of Theoretical Economics (Associate Editor, 2007-present)
- Conference Organization Service:
 - 5th Conference on Economic Design, Ann Arbor, MI (Co-Chair, 2008).
 - 9th International Meeting of the Society for Social Choice and Welfare, Montreal, Canada (Committee Member, 2008)
 - 8th International Meeting of the Society for Social Choice and Welfare, Istanbul, Turkey (Committee Member, 2006)
 - 4th Conference on Economic Design, Bodrum, Turkey (Committee Member, 2006)

- Referee Service:

- Economics Journals: *American Economic Review* (×6), *B.E. Journal of Theoretical Economics*, *Bulletin of Economic Research*, *Computational Economics* (×2), *Contemporary Economic Policy*, *Econometrica* (×7), *Economic Theory* (×2), *Games and Economic Behavior* (×7), *International Journal of Game Theory* (×4), *International Game Theory Review*, *Journal of Economic Behavior and Organization* (×2), *Journal of Economic Dynamics and Control* (×6), *Journal of Economic Theory* (×6), *Journal of Evolutionary Economics*, *Journal of Mathematical Economics*, *Journal of Public Economics*, *Mathematical Social Sciences*, *Quarterly Journal of Economics* (×2), *RAND Journal of Economics*, *Review of Economic Design* (×5), *Review of Economic Studies* (×3), *Social Choice and Welfare* (×5), *Theoretical Economics*.
- Business Administration Journals: *Asia-Pacific Management Review*, *Journal of Business Research*, *Marketing Science*
- Operations Research Journals: *Mathematics of Operations Research*, *Operations Research Letters*.
- Computer Science Journals: *IEEE Transactions on Evolutionary Computation*, *Journal of Computational Intelligence and Applications*.
- Public Policy Journals: *Journal of Policy Analysis and Management*
- For Institutions: Canada Social Sciences and Humanities Research Council (×2), National Science Foundation (USA) (×5), Netherlands Research Council, Turkish Academy of Sciences.
- For Scientific Handbooks: Lund University Arne Ryde Symposium Volume, Handbook of Research on Nature Inspired Computing for Economy and Management.

PUBLIC POLICY SERVICE

- At Large Representative Appointment of the United Network for Organ Sharing (UNOS) (<http://www.unos.org>) (2009-2010) to work on the establishment of the national kidney exchange program.
- Ad-hoc Advisor for University of Calgary Altruistic and List Chain Exchange Program (2009)
- Helped to found New England Program for Kidney Exchange (NEPKE) (<http://www.nepke.org>) and Alliance for Paired Donation (APD) (<http://www.paireddonation.org>) (2005-present).
- Ad-hoc Advisor for UNOS (2005-2009)

UNIVERSITY SERVICE

- **Boston College**: Micro Theory Seminar Organizer (2008-2009, 2009-2010), Recruitment Committee (2009-2010).

- **University of Pittsburgh:** Recruiting Committee (2005-2006), Micro Theory Seminar Organizer (2006), Graduate Student Admissions Committee (2005-2008).
- **Koç University:** Economics Core Program Revision Committee (2004-2005), Graduate School of Arts and Sciences Council (2004-2005), Department Seminar Organizer (2003-2004), Recruiting Committee (2001-2002 and 2002-2003), Advisor to Undergraduate Students (2000-2005).

TEACHING EXPERIENCE

- **Boston College:** *Undergraduate:* Intermediate Microeconomics (Spring 2009, Spring 2010).
Graduate: Micro Theory (Spring 2009, Spring 2010).
- **University of Pittsburgh:** *Undergraduate:* Intermediate Microeconomics (Spring 2006, Fall 2007, Fall 2008, Spring 2008), Introduction to Microeconomics (Summer 1997).
Graduate: Design of Matching Markets (Spring 2006, Spring 2007, Spring 2008).
- **Koç University:** *Undergraduate:* Game Theory (Spring 2004), Introduction to Economics (Fall 2001, Fall 2002, Fall 2004), Applied Microeconomic Theory (Fall 2004, Fall 2005) Mathematical Economics (Fall 2001), Econometrics II (Spring 2001, Spring 2002, Spring 2005).

THESIS STUDENTS

- Ayça Giritligil (Boğaziçi University, 2001, Ph.D. in Economics, committee), first job, assistant professor, Işık University, İstanbul, Turkey. *Dissertation Topic:* Voting Experiments.
- Semra Ağralı (Koç University, 2005, MS in Industrial Engineering, committee), first position, research assistant and doctoral student at University of Florida. *Thesis Topic:* Application of Repeated Auctions using Markov Decision Processes.
- Hadi Yektaş (University of Pittsburgh, 2006, Ph.D. in Economics, supervised one paper, committee), first job, visiting assistant professor at the University of Guelph, Canada. *Dissertation Topic:* Auction Theory.
- Yong-Ju Lee (University of Pittsburgh, 2007, Ph.D. in Economics, supervised one paper, committee) first job, Samsung Research Institute, Korea. *Dissertation Topic:* Network Formation and Social Interaction Models.
- Yong Sui (University of Pittsburgh, 2007, Ph.D. in Economics, committee) first job, assistant professor at Shanghai Jiao Tong University, China. *Dissertation Topic:* Auction Theory.
- Ana Espinola-Arredondo (University of Pittsburgh, PhD in Economics, 2008, committee) first job: assistant professor at Washington State University. *Dissertation Topic:* Mechanism Design in Environmental Economics.

- Morimitsu Kurino (University of Pittsburgh, PhD in Economics, 2009, advisor) first job: Post-doctoral Research Fellow, Max-Planck Institute of Economics, Jena, Germany. *Dissertation Topic: Dynamic Matching Markets.*
- Murat Kurt (University of Pittsburgh, PhD in Operations research, expected 2010, supervising and co-authoring, committee), *Topic: Stochastic Games on Operations Management of Transplantation.*
- Özgün Ekici (Carnegie Mellon University, PhD in Economics, expected 2011, committee), *Topic: Discrete Allocation Problems: Market Design and Axiomatic Mechanism Design.*
- Çağlar Yurtseven (Boston College, PhD in Economics, expected 2011-12, advisor) *Topic: Social Interaction Models of Cellular Communication.*
- Radoslav Raykov (Boston College, PhD in Economics, expected 2011-12, advisor) *Area: Matching*
- Samson Alva (Boston College, PhD in Economics, expected 2011-12, committee) *Area: Network Formation*

INVITED CONFERENCE PRESENTATIONS AND LECTURES

- SAET Conference, Naples, Ischia, July, 2009, "*A Theory of School Choice Lotteries: Why Ties Should Not Be Broken Randomly*".
- 6th Conference on Economic Design, Maastricht, June, 2009, "*A Theory of House Allocation and Exchange Mechanisms*".
- SITE Workshop on Market Design, Stanford, June, 2008, "*A Theory of School Choice Lotteries: Why Ties Should Not Be Broken Randomly*".
- North American Summer Meetings of the Econometric Society, Pittsburgh, PA, June, 2008, "*A Theory of House Allocation and Exchange Mechanisms*".
- 2nd Matching Theory Mini-Conference, Caltech, Pasadena, CA, February 2008, "*Dynamic Kidney Exchange*".
- "Invited Session" of the European Summer Meetings of the Econometric Society, Budapest, Hungary, August 2007, "*Design of Matching Markets: Kidney Exchange*".
- 1st Matching Theory Mini-Conference, University of Autònoma, Barcelona, Spain, June 2007, "*Dynamic Kidney Exchange*".
- INFORMS Conference, Pittsburgh, PA, 2006, "*Kidney Exchange with Good Samaritan Donors: A Characterization*".
- 1st Summer Workshop on Economic Theory, Koç University, 2006, "*Kidney Exchange with Good Samaritan Donors: A Characterization*".
- Mini-course on "*Matching Markets*", Waseda University, Tokyo, Japan, 2006.

- University of Cincinnati Hospital Transplant Center, Cincinnati, OH, 2006, "*A Kidney Exchange Clearinghouse in New England*".
- CEPR-BREAD Conference on Institutions, Development and Transition, Sabancı University, İstanbul, Turkey, 2005, "*Pairwise Kidney Exchange*".
- Society for Economic Dynamics Conference, Budapest, Hungary, 2005, "*Credibile Group Stability in Many-to-Many Matching Problems*".
- ASSA Conference-AEA Winter Meeting, 2005, "*A Kidney Exchange Clearinghouse in New England*".
- Murat Sertel Keynote Lecture, Boğaziçi University, İstanbul, Turkey, 2004, "*Pairwise Kidney Exchange*".

UNIVERSITY SEMINARS

- "*A Theory of House Allocation and Exchange Mechanisms*"
2009: Columbia **2007:** Pittsburgh **2008:** Koç
- "*Dynamic Kidney Exchange*"
2008: Bilkent **2007:** Carnegie Mellon, Koç, Boston College, British Columbia, Maryland
- "*A Theory of School Choice Lotteries: Why Ties Should Not Be Broken Randomly*"
2008: Harvard Business School
- "*Unraveling Results from Comparable Demand and Supply*"
2008: NYU
- "*Kidney Exchange with Good Samaritan Donors: A Characterization*"
2007: Penn State, Texas A&M **2006:** Western Ontario, British Columbia, Waseda (Tokyo), Tokyo, Tokyo Institute of Technology, Pittsburgh
- "*Course Bidding at Business Schools*" + *Experiment*
2008: Michigan Business School **2007:** Texas A&M **2005:** Pittsburgh, Boğaziçi
- "*Pairwise Kidney Exchange*"
2005: HEC Paris, Autònoma Barcelona, McGill, Michigan, Pittsburgh, Illinois, Florida State, Central Florida, Yıldız Technical (İstanbul).
- "*Kidney Exchange*"
2004: Birmingham (UK), Bilgi (İstanbul), Sabancı
- "*Room Assignment-Rent Division: A Market Approach*"
2003: Duke, Ohio State, Rochester, Montreal **2002:** Boston College
- "*Asset Price Bubbles and Crashes with Near-Zero-Intelligence Traders*"
2003: Harvard
- "*The Dynamics of Law Clerk Matching...*"
2003: Columbia **2001:** Sabancı

- *"House Allocation with Existing Tenants: An Equivalence"*
2001: Koç **2000:** Bilkent
- *"On the Survival of Some Unstable Two-Sided Matching Mechanisms"*
2000: Boğaziçi, Bilkent, Koç

OTHER CONFERENCE PRESENTATIONS

- *"Dynamic Kidney Exchange"*
2009: Dynamic Mechanism Design and Information Workshop, University of Bonn
- *"A Theory of School Choice Lotteries: Why Ties Should Not Be Broken Randomly"*.
2008: 5th Conference on Economic Design
- *"A Theory of House Allocation and Exchange Mechanisms"*
2008: 9th International Meeting of the Society for Social Choice and Welfare
- *"Efficient Kidney Exchange: Coincidence of Wants in a Structured Market"*
2006: 4th Conference on Economic Design
- *"Ideology and Existence of 50%-Majority Equilibria in Multidimensional Spatial Voting Models"*
2006: 8th International Meeting of the Society for Social Choice and Welfare
- *"Kidney Exchange with Good Samaritan Donors: A Characterization"*
2006: North American Summer Meetings of the Econometric Society
- *"Unraveling Results from Comparable Demand and Supply"*
2006: ASSA Conference-North American Winter Meeting of the Econometric Society
2003: International Economic Science Association Meeting
- *"Pairwise Kidney Exchange"*
2005: 25th Turkish Operations Research and Industrial Engineering Society (YAEM) Conference **2004:** NBER-NSF-CEME Decentralization Conference
- *"Course Bidding at Business Schools" + Experiment*
2004: 7th International Meeting of the Society for Social Choice and Welfare, 2nd World Congress of the Game Theory Society, 3rd Conference of Economic Design, 1st Murat Sertel Memorial Conference on Economic Theory, Bilgi (İstanbul) **2003:** SITE Workshop on Matching Markets, Stanford
- *"Room Assignment-Rent Division: A Market Approach"*
2002: Brazilian Workshop of the Game Theory Society
- *"The Dynamics of Law Clerk Matching..."*
2002: Brazilian Workshop of the Game Theory Society

- *"House Allocation with Existing Tenants: An Equivalence"*
2002: Brazilian Workshop of the Game Theory Society, 6th International Meeting of Society for Social Choice and Welfare, 2nd Conference on Economic Design
- *"Internet Auctions with Artificial Adaptive Agents"*
2001: 7th Conference of Society for Computational Economics
- *"On Determination of Optimal Reserve Prices..."*
2001: 7th Conference of Society for Computational Economics
- *"On the Survival of Some Unstable Two-Sided Matching Mechanisms"*
2001: 5th Conference of Society for Advancement of Economic Theory **2000:** 20th Arne Ryde Symposium on Experimental Economics, Lund (Sweden)
- *"Backward Unraveling over Time..."*
1999: 5th Conference of Society for Computational Economics **1998:** Game Theory Summer Festival Workshop on Interactions and Learning, SUNY Stony Brook

SELECTED NEWS COVERAGE

- *CNN.com* "Donation chain has led to 10 kidney transplants" Anne Harding
<http://www.cnn.com/2009/HEALTH/03/11/kidney.ten.transplants/> (03/11/2009)
- *The Boston Globe* "Kidney-transplant chain broadens donations" Elizabeth Cooney
http://www.boston.com/news/health/blog/2009/03/it_began_in_200.html (03/11/2009)
- *The Boston College Chronicle* "BC Economist Examines the 'Matching Market' of Kidney Exchange New Computer Models aid Kidney Transplant Patients" Ed Hayward
<http://www.bc.edu/publications/chronicle/TopstoriesNewFeatures/news/unver031209.html> (03/12/2009)
- *The Harvard Crimson* "Markets: The Way of the BCS" Prakeet Kumar (10/10/2008)
<http://www.thecrimson.com/printerfriendly.aspx?ref=524523>
- *CNBC-E Business Magazine* "10 Best Economics Departments and Economists (in Turkey, 1999-2005)" Murat Çokgezen (September 2007).
- *The Financial Times* "Undercover Economist: Stakes in Kidneys" Tim Harford (07/13/2007)
- *Pittsburgh Post-Gazette* "Paired donations give organ transplants a brighter future" Mark Roth (05/09/07)
- *The New York Times Magazine* Freakonomics "Flesh Trade: Why Not Let People Sell Their Organs?" Steven Levitt and Stephen Dubner (07/09/06)
<http://www.freakonomics.com/times070906.html>
- *The Harvard Crimson* "Database Expedites Organ Donation: Pioneering Harvard economists make it easier to match donors to patients" Patrick S. Lahue (03/15/2006)
<http://www.thecrimson.com/printerfriendly.aspx?ref=524523>

- *National Science Foundation Discoveries* "Kidney Exchange: A Life-Saving Application of Matching Theory"
http://www.nsf.gov/discoveries/disc_summ.jsp?cntn_id=104404&org=NSF
- *CNN Turk TV News* (08/13/04)
- *The Wall Street Journal Capital* "Easing the Kidney Shortage" David Wessel (06/17/04)
- *The Boston Globe* "Cross-donor system planned for region's kidney patients" Scott Allen (05/06/04)