

M. Utku Ünver

January 2025

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ACADEMIC POSITIONS

- Professor, Boston College, Department of Economics (Sep 2011-present)
- Associate Professor, Boston College, Department of Economics (Sep 2008-Aug 2011)
- Assistant Professor, The University of Pittsburgh, Department of Economics (Sep 2005-Aug 2008)
- Assistant Professor, Koç University, Department of Economics (Sep 2000-Aug 2005)

Visiting Positions

- Professorial Research Fellow, Deakin University Australia (Mar 2017-present)
- Visiting Professor, MIT (Fall 2017)
- Distinguished Research Fellow, Koç University (2013-2017)
- Visiting Professor, University of Illinois, Urbana-Champaign (Jan-Apr 2014)
- Visiting Researcher, Microsoft Research Lab, Cambridge, MA (Aug 2010-Dec 2010)
- Research Fellow, Harvard Business School (Sep 2002-Aug 2003)

EDUCATION

- Ph.D. in Economics, The University of Pittsburgh (2000)
- M.A. in Economics, The University of Pittsburgh (1997) and Master of Economics, Bilkent University (1995)
- B.Sc. in Electrical and Electronics Engineering, Bilkent University (1993)

AREAS OF SPECIALIZATION

- Microeconomic theory, market design, matching theory, the economics of transplantation, axiomatic mechanism design, game theory

PROFESSIONAL HONORS, AWARDS, and HONORIFIC CITATIONS

- 9 citations (6 among main contributions that led to the prize) and name mention, *2012 Nobel Memorial Prize in Economic Sciences Scientific Background*

- Honorary Ph.D., *İnönü University*, Malatya, Turkey (for contributions to “liver paired exchange” and their exchange program) (2024)
- Paper “Pairwise Kidney Exchange” selected to “Articles celebrating the 50th anniversary of the *Journal of Economic Theory*” Edited by Karl Shell, Tilman Börgers, and Alessandro Pavan (2020)
- President, *Society for Economic Design* (2008-2015)
- Member, *Bilim Akademisi (Science Academy Türkiye)* (elected in 2014)
- Franz Edelman Laureate for Achievement in Advanced Analytics, Operations Research, and Management Science, *INFORMS* (2014) (for contributions to “kidney paired exchange” and Alliance for Paired Kidney Donation)
- Honorary Professor, *Deakin University Australia* (2013-2015)
- Special Award, *Turkish Scientific and Technological Research Council (TÜBİTAK)* (2013) (one of the three equivalent highest science awards)
- Distinguished Young Scientist Award (GEBİP), *Turkish Academy of Sciences (TÜBA)* (2005)
- Research Incentive Award, *METU Prof. Dr. Mustafa Parlar Foundation* (2005)
- Incentive Award in Social Sciences, *Turkish Academy of Sciences (TÜBA)* (2004)
- Best Graduate Student Paper Prize, *Society for Computational Economics* (1999) for the paper “Backward Unraveling over Time: The Evolution of Strategic Behavior in the Entry-Level British Medical Labor Markets.”

EDITORIAL BOARDS

- Editor-in-Chief:
ACM Transactions in Economics and Computation (2023-present)
- Associate/Advisory Editor:
Journal of Economic Theory (2016-present), *Games and Economic Behavior* (2018-present),
Journal of Mechanism and Institution Design (2015-present)

Theoretical Economics (2012-2024), *Journal of Mathematical Economics* (2010-2016),
Review of Economic Design (2012-2019), *Journal of Dynamics and Games* (2015-2023),
BE Journal of Theoretical Economics (2007-2013)

NSF GRANTS

- *Principal Investigator - National Science Foundation*, Grant for “Liver Exchange.” (No: SES #1729778) (Sep 2017 - Aug 2019) (grant amount: \$ 291,749, including two other co-PIs, Tayfun Sönmez and M. Bumin Yenmez).
- *Co-Principal Investigator - National Science Foundation*, Grant for “Organ Exchange for Kidneys, Livers, and Lungs.” (No: SES #1426440) (Sep 2014-Aug 2017) (grant amount: \$ 280,247, including other PI Tayfun Sönmez).

- *Principal Investigator - National Science Foundation*, Grant for “Collaborative Research: The Optimal Timing of Kidney Exchanges: A Markov Game Approach.” (No: CMMI #1069100) (June 2011-May 2014) (grant amount: \$ 90,978).
- *Principal Investigator - National Science Foundation*, Grant for “Collaborative Research: Kidney Exchange.” (No: SES #0616689) (August 2006 - July 2008) (grant amount: \$ 69,870).
- *Co-Principal Investigator - National Science Foundation*, Grant for “EHP: Market Culture, Performance, and the Timing of Transactions.” (No: SES #0338619) (July 2004 - June 2010) (grant amount: \$ 323,338 including other PIs, Muriel Niederle and Alvin Roth).

PUBLICATIONS

Handbook Chapters on Market Design and Matching

69. “Matching under Non-Transferable Utility: Theory.” In P.-A. Chiappori, B. Salanié, and Y.-K. Che (Eds.): **Handbook of Economics of Matching**, Volume 2, Elsevier, (forthcoming) Chapter 1 (with Tayfun Sönmez).
68. “Matching under Non-Transferable Utility: Applications.” In P.-A. Chiappori, B. Salanié, and Y.-K. Che (Eds.): **Handbook of Economics of Matching**, Volume 2, Elsevier, (forthcoming) Chapter 3 (with Tayfun Sönmez).
67. “Market Design for Kidney Exchange.” In N. Vulkan, A.E. Roth, and Z. Neeman (Eds.): **Oxford Handbook of Market Design**, Oxford University Press, (2013) 91–137 (with Tayfun Sönmez).
66. “Matching, Allocation, and Exchange of Discrete Resources.” In J. Benhabib, A. Bisin, and M.O. Jackson (Eds.): **Handbook of Social Economics, Vol. 1A**, North-Holland, (2011) 781–852 (with Tayfun Sönmez).

Refereed Articles in Economics and Related Discipline Outlets

65. “Fair Allocation of Vaccines, Ventilators and Antiviral Treatments: Leaving No Ethical Value Behind in Health Care Rationing.” *Management Science*, (June 2024) 70 (6): 3999–4036 (with Parag A. Pathak, Tayfun Sönmez, M. Bumin Yenmez).
64. “Reserve System Design for Allocation of Scarce Medical Resources in a Pandemic: Some Perspectives from the Field.” *Oxford Review of Economic Policy*, (Winter 2022) 38(4): 924–940 (with Parag A. Pathak, Govind Persad, and Tayfun Sönmez).
63. “Neutral Allocation of Discrete Resources with Outside Options.” *Review of Economic Design, special issue in honor of Semih Koray*, (December 2022) 26(4): 581–604 (with Marek Pycia).
62. “Designing Practical and Fair Sequential Team Contests: The Case of Penalty Shootouts.” *Games and Economic Behavior*, (November 2021) 130: 25–43 (with Nejat Anbarcı and Ching-Jen Sun).
61. “Incentivized Kidney Exchange.” *American Economic Review*, (July 2020) 110(7): 2198–2224 (with Tayfun Sönmez and M. Bumin Yenmez).

60. "Efficient and Incentive-Compatible Liver Exchange." *Econometrica*, (May 2020) 88(3): 965–1005 (with Haluk Ergin and Tayfun Sönmez).
59. "Two-Sided Matching via Balanced Exchange." *Journal of Political Economy*, (2019) 127(3): 1156–1177 (with Umut Dur).
58. "How (not) to Integrate Blood Subtyping Technology to Kidney Exchange." *Journal of Economic Theory*, (2018) 176: 193–231 (with Tayfun Sönmez and Özgür Yılmaz).
57. "Dual-Donor Organ Exchange." *Econometrica*, (2017) 85(5): 1645–1671 (with Haluk Ergin and Tayfun Sönmez).
56. "Incentive Compatible Allocation and Exchange of Discrete Resources." *Theoretical Economics* (2017) 12(1): 287–329 (with Marek Pycia).
55. "On Characterizations of the Probabilistic Serial Mechanism Involving Incentive and Invariance Properties." *Mathematical Social Sciences special issue in honor of Hervé Moulin*, (2017) 90: 56–62 (with Onur Kesten and Morimitsu Kurino).
54. "Toward a 50%-majority Equilibrium When Voters are Symmetrically Distributed." *Mathematical Social Sciences special issue in honor of Hervé Moulin*, (2017) 90: 145–149 (with Hervé Crès).
53. "Market Design for Living-Donor Organ Exchanges: An Economic Policy Perspective." *Oxford Review of Economic Policy*, (2017) 33(4): 676–704 (with Tayfun Sönmez).
52. "The Pennsylvania Adoption Exchange Improves Its Matching Process." *INFORMS Journal on Applied Analytics*, (2016) 46(1): 133–153 (with Vincent Slaugh, Mustafa Akan, Onur Kesten).
51. "Decomposing Random Mechanisms." *Journal of Mathematical Economics*, (2015) 61: 21–33 (with Marek Pycia).
50. "A Theory of School Choice Lotteries." *Theoretical Economics*, (2015) 10: 543–595 (with Onur Kesten).
49. "Kidney Exchange and the Alliance for Paired Donation: Operations Research Changes the Way Kidneys are Transplanted." *INFORMS Journal on Applied Analytics*, (2015) 45(1): 26–42, (with Ross Anderson, Itai Ashlagi, David Gamarnik, Michael Rees, Alvin E. Roth, Tayfun Sönmez).
48. "Altruistically Unbalanced Kidney Exchange." *Journal of Economic Theory*, (2014) 152: 105–129 (with Tayfun Sönmez).
47. "The 'Boston' School Choice Mechanism: An Axiomatic Approach." *Economic Theory*, (2014) 55(3): 515–544 (with Fuhito Kojima).
46. "Two Axiomatic Approaches to the Probabilistic Serial Mechanism." *Theoretical Economics*, (2014) 9: 253–277 (with Tadashi Hashimoto, Daisuke Hirata, Onur Kesten, Morimitsu Kurino).

45. "Unraveling Results from *Comparable* Demand and Supply: An Experimental Investigation." *Games*, Special Issue on Matching Markets, (2013) 4(2): 243–282 (with Muriel Niederle and Alvin E. Roth).
44. "Ideology and Existence of 50%-Majority Equilibria in Multidimensional Spatial Voting Models." *Journal of Theoretical Politics*, (2010) 22(4): 431–444 (with Hervé Crès).
43. "House Allocation with Existing Tenants: A Characterization." *Games and Economic Behavior*, (2010) 69(2): 425–445 (with Tayfun Sönmez).
42. "Course Bidding at Business Schools." *International Economic Review*, (2010) 51 (1): 99–123 (with Tayfun Sönmez).
41. "Dynamic Kidney Exchange." *Review of Economic Studies*, (2010) 77(1): 372–414.
40. "Improving the Efficiency of Course Bidding at Business Schools: Field and Laboratory Studies." *Marketing Science*, (2008) 27(2): 262–282 (with Aradhna Krishna).
39. "Internet Auctions with Artificial Adaptive Agents: A Study on Market Design." *Journal of Economic Behavior and Organization*, (2008) 67 (2): 394–417 (with John Duffy).
38. "Random Paths to Pairwise Stability in Many-to-Many Matching Problems: A Study on Market Equilibration." *International Journal of Game Theory special issue in honor of David Gale*, (2008) 36(3–4): 473–488, (with Fuhito Kojima).
37. "Unraveling Results from Inefficient Matching: Evidence from Post-Season College Football Bowls." *RAND Journal of Economics*, (2007) 38(4): 967–982 (with Guillaume Frechette and Alvin E. Roth).
36. "Efficient Kidney Exchange: Coincidence of Wants in Markets with Compatibility Based Preferences." *American Economic Review*, (2007) 97 (3): 828–851 (with Alvin E. Roth and Tayfun Sönmez).
35. "Equilibrium Selection and the Role of Information in Repeated Matching Markets." *Economics Letters*, (2007) 94: 284–289 (with Ernan Haruvy).
34. "Games of Capacity Manipulation in Hospital-Intern Markets." *Social Choice and Welfare*, (2006) 27: 3–24 (with Hideo Konishi).
33. "Credible Group Stability in Many-to-Many Matching Problems." *Journal of Economic Theory*, (2006) 129: 57–80 (with Hideo Konishi).
32. "Asset Price Bubbles and Crashes with Near-Zero-Intelligence Traders." *Economic Theory*, (2006) 27: 537–563 (with John Duffy).
31. "The Dynamics of Law Clerk Matching: An Experimental and Computational Investigation of Proposals for Reform of the Market." *Journal of Economic Dynamics and Control*, (2006) 30: 457–486 (with Ernan Haruvy and Alvin E. Roth).
30. "Pairwise Kidney Exchange." *Journal of Economic Theory*, (2005) 125: 151–188 (with Alvin E. Roth and Tayfun Sönmez).

29. "House Allocation with Existing Tenants: An Equivalence." *Games and Economic Behavior*, (2005) 52: 153–185 (with Tayfun Sönmez).
28. "On the Survival of Some Unstable Two-Sided Matching Mechanisms." *International Journal of Game Theory*, (2005) 33: 239–254.
27. "Room Assignment-Rent Division: A Market Approach." *Social Choice and Welfare*, (2004) 22: 515–538 (with Atila Abdulkadiroğlu and Tayfun Sönmez).
26. "Kidney Exchange." *Quarterly Journal of Economics*, (2004) 119: 457–488 (with Alvin E. Roth and Tayfun Sönmez).
25. "On Determination of Reserve Price in Auctions When the Ranking of Valuations is Common Knowledge." In M. R. Sertel and S. Koray (Eds.): **Advances in Economic Design**, Springer Studies in Economic Design, (2003) 79–94 (with A. Alexander Elbittar).
24. "Backward Unraveling over Time: The Evolution of Strategic Behavior in the Entry-Level British Medical Labor Markets." *Journal of Economic Dynamics and Control*, (2001) 25: 1039–1080.

Refereed Conferences in Computer Science

23. Extended Abstract for "Blood Allocation with Replacement Donors: A Theory of Multi-unit Exchange with Compatibility-based Preferences." *EC '21: Proceedings of the 22nd ACM Conference on Economics and Computation* (2021) 585–586 (with Xiang Han and Onur Kesten).
22. Extended Abstract for "Fair Allocation of Vaccines, Ventilators and Antiviral Treatments: Leaving No Ethical Value Behind in Health Care Rationing" *EC '21: Proceedings of the 22nd ACM Conference on Economics and Computation* (2021) 785–786 (with Parag A. Pathak, Tayfun Sönmez, M. Bumin Yenmez).

Refereed Articles in Medical Journals on Market Design

– *Liver Paired-Exchange*:

21. "Enhanced Role of Multi-Pair Donor Swaps in Response to Size Incompatibility: The First Two 5-Way and the First 6-Way Liver Paired Exchanges." *American Journal of Transplantation*, (October 2024), 24 (10): 1881-1895 (with Yilmaz, Sezai, Tayfun Sönmez, Volkan Ince, Sami Akbulut, Kemal Baris Sarici, and Burak Isik).
20. "The First 4-Way Liver Paired Exchange from an Interdisciplinary Collaboration between Healthcare Professionals and Design Economists." *American Journal of Transplantation*, (October 2023), 23(10): 1612–1621 (with Sezai Yilmaz, Tayfun Sönmez, Volkan Ince, Sami Akbulut, Burak Isik, Sukru Emre).

– *Pandemic Resource Allocation*:

19. "Weighted Lottery to Equitably Allocate Scarce Supply of COVID-19 Monoclonal Antibody." *JAMA Health Forum*, (September 2023) 4(9):e232774 (with Erin K. McCreary, Utibe R. Essien, Chung-Chou H. Chang, Rachel A. Butler, Parag Pathak, Tayfun Sönmez, Ashley Steiner, Maddie Chrisman, Derek C. Angus, Douglas B. White).

18. "A Multi-center Weighted Lottery to Equitably Allocate Scarce COVID-19 Therapeutics" *American Journal of Respiratory and Critical Care Medicine*, (August 2022) 206(4): 503–506 (with Douglas B. White, Erin K. McCreary, Chung-Chou H. Chang, Mark Schmidhofer, Ryan Bariola, Naudia N. Jonaissant, Govind Persad, Robert D. Truog, Parag Pathak, Tayfun Sönmez).
17. "A Novel Approach to Equitable Distribution of Scarce Therapeutics: Institutional Experience Implementing a Reserve System for Allocation of Covid-19 Monoclonal Antibodies" *CHEST*, (December 2021) 160(6): 2324–2331 (with Emily Rubin, Scott L. Dryden-Peterson, Sarah P. Hammond, Parag Pathak, Tayfun Sönmez).
16. "Reserve Systems for Allocation of Scarce Medical Resources During the COVID-19 Pandemic: The Path From April 2020 to April 2021" *CHEST*, (October 2021) 160(4): 1572–1575 (with Parag A. Pathak and Tayfun Sönmez).
15. "Categorized Priority Systems: A New Tool for Fairly Allocating Scarce Medical Resources in the Face of Profound Social Inequities." *CHEST*, (March 2021) 159(3): 1294–1299 (with Tayfun Sönmez, Parag A. Pathak, Govind Persad, Robert D. Truog, Douglas White).
14. "Covid-19: How To Prioritize Worse-off Populations in Allocating Safe and Effective Vaccines." *The British Medical Journal*, (October 2020) 371:m3795 (with Harald Schmidt, Parag Pathak, Tayfun Sönmez).
– *Kidney Paired Exchange*:
13. "A Non-simultaneous Extended Altruistic Donor Chain." *The New England Journal of Medicine*, (2009) 360(11): 1096–1101 (with M.A. Rees, J.E. Kopke, R.P. Pelletier, D.L. Segev, M.E. Rutter, A.J. Fabrega, J. Rogers, O.G. Pankewycz, J. Hiller, A.E. Roth, T. Sandholm, R.A. Montgomery).
12. "Utilizing List Exchange and Non-directed Donation through 'Chain' Paired Kidney Donations." *American Journal of Transplantation*, (2006) 6: 2694–2705 (with Alvin E. Roth, Tayfun Sönmez, Francis L. Delmonico, and Susan L. Saidman)
11. "Increasing the Opportunity of Live Kidney Donation By Matching for Two and Three Way Exchanges." *Transplantation*, (2006) 81: 773–782 (with Susan L. Saidman, Alvin E. Roth, Tayfun Sönmez, and Francis L. Delmonico).

Other: Law Journal, Perspective, Survey, Comment, and Proceeding Publications

10. "Nierentausch in Deutschland: Analysen und Empfehlungen." ("Kidney Exchange in Germany: Analyses and Recommendations") *Medizinrecht*, (2024) 42(8): 567-572 (with Axel Ockenfels and Tayfun Sönmez) [Law journal publication].
Also a version appeared in English as "Crossover kidney donation in Germany" (2024) *Wirtschaftsdienst* 104 (8), 513
9. "Influencing Policy and Transforming Institutions: Lessons from Kidney/Liver Exchange." In I. Lo, M. Ostrovsky, P. A. Pathak (Eds.): **New Directions on Market Design**, University of Chicago Press, (forthcoming), Chapter 8 (with Tayfun Sönmez) [Perspectives chapter in 2023 NBER New Directions on Market Design Conference collection].

8. “Child Welfare Services in the United States: An Operations Research Perspective.” In G. Berenguer and M. Sohoni (Eds.): **Nonprofit Operations and Supply Chain Management: Theory and Practice**, Springer (forthcoming) (with Vincent W. Slaugh, Ludwig Dierks, Alan Scheller-Wolf, Andrew C. Trapp) [Survey chapter in Operations management collection].
7. “Liver Paired Exchange.” In R. W. G. Gruessner and E. Benedetti (Eds.): **Living Donor Organ Transplantation 2nd Edition**, Volume 2, Academic Press, Elsevier, (2024) Chapter 34, 1278–1283 (with Sezai Yilmaz, Tayfun Sonmez, Veysel Umman, Volkan Ince, Sami Akbulut, Murat Zeytunlu, Burak Isik and Sukru Emre) [Medical collection chapter].
6. “Fair Access to Scarce Medical Capacity for Non-covid-19 Patients: A Role for Reserves.” (with Govind Persad, Parag A. Pathak, and Tayfun Sönmez) *The British Medical Journal*, (February 1, 2022) 376:o276. [Perspectives in medical journal].
5. “Improving Ventilator Rationing Through Collaboration With Experts on Resource Allocation.” *JAMA Network Open*, (2020) 3(6):e2012838 (with Parag A. Pathak and Tayfun Sönmez) [Perspectives in medical journal].
4. “Leverbytesprogram –framtid för Sverige?” (“Liver Exchange –A future for Sweden?”), *Läkartidningen (The Journal of the Swedish Medical Association)* (2018) 115, E9YL (with Tommy Andersson and Tayfun Sönmez) [Medical journal publication].
3. “New Sources in Living Kidney Donation.” In D. B. McKay and S. M. Steinberg (Eds.): **Kidney Transplantation: A Guide to the Care of Kidney Transplant Recipients**, Springer, (2010) 103–107. (with Ruthanne Hanto, Alvin E. Roth, and Francis Delmonico) [Medical collection chapter].
2. “Kidney Paired Donation with Compatible Pairs.” *American Journal of Transplantation*, (2007) 7: 1, (with Alvin Roth and Tayfun Sönmez) [Comment].
1. “A Kidney Exchange Clearinghouse in New England.” *American Economic Review Papers and Proceedings*, (renamed as *AEA: Papers and Proceedings*) (2005) 95(2): 376–380 (with Alvin E. Roth and Tayfun Sönmez).

WORKING PAPERS

- “Market Design for Distributional Objectives in (Re)assignment: An Application to Improve the Distribution of Teachers in Schools.” (New: February 2022) Revision requested from *American Economic Review* (with Julien Combe, Umut M. Dur, Olivier Tercieux, and Camille Terrier).
- “Blood Allocation with Replacement Donors: Theory and Application.” (Revised: May 2024; Initial: June 2021) Revision requested from *American Economic Review* (with Xiang Han and Onur Kesten).
- “Ordinal Simplicity in Discrete Mechanism Design.” Revision requested from *International Economic Review* (Revised: December 2024; Initial: August 2016) (with Marek Pycia).

- “Search and Matching for Adoption from Foster Care.” Revision requested from *Operations Research* (Revised: May 2024; Initial: March 2021) (with Ludwig Dierks, Nils Olberg, Sven Seuken, and Vincent W. Slaughter).
- “Informed Neutrality in Minimalist Market Design: A Case Study on a Constitutional Crisis in India.” (Revised: June 2024; Initial: October 2022) (with Tayfun Sönmez).
- “Rematching with Contracts under Labor Mobility Restrictions: Theory and Application.” (April 2024) (with Umut Dur and Robert G. Hammond)
- “Child Welfare Platform Design to Improve Outcomes for Children with Disabilities.” (Revised: March 2024; Initial: September 2022) (with Ludwig Dierks and Vincent W. Slaughter)

Retired Papers

- “The Trade-off Between Vaccine Prioritization and Speed Depends on Mitigation Measures.” (with Nikhil Agarwal, Andrew Komo, Chetan Patel, and Parag A Pathak) (February 2021) NBER Working Paper.
- “Rationing Safe and Effective COVID-19 Vaccines: Allocating to States Proportionate to Population May Undermine Commitments to Mitigating Health Disparities.” (with Harald Schmidt, Parag A. Pathak, Michelle Williams, Tayfun Sönmez, Lawrence Gostin) (November 2020).
- “What Prioritizing Worse-Off Minority Groups for COVID-19 Vaccines Means Quantitatively: Practical, Legal and Ethical Implications.” (with Harald Schmidt, Michelle Williams, Parag A. Pathak, Tayfun Sönmez, Lawrence Gostin) (November 2020).
- “Paying It Backward and Forward: Expanding Access to Convalescent Plasma Therapy Through Market Design.” (with Scott Duke Kominers, Parag A. Pathak, and Tayfun Sönmez) (Latest Draft: October 2020) NBER Working Paper.
- “Do Black and Indigenous Communities Receive their Fair Share of Vaccines Under the 2018 CDC Guidelines?” (with Parag A. Pathak, Harald Schmidt, Adam Solomon, Edwin Song, Tayfun Sönmez) (September 2020) NBER Working Paper.
- “Maintaining Diversity in Student Exchange.” (Latest draft: 2015) (with Umut Dur and Onur Kesten).
- “Valuing Prearranged Paired Kidney Exchanges: A Stochastic Game Approach.” (2010) Final Status R&R *Operations Research* (with Murat Kurt, Mark Roberts, and Andrew Schaefer).
- “Trading Cycles for School Choice” (2010) (with Marek Pycia).
- “Market Mechanisms for Allocation of Indivisible Objects and Money.” (2007) Final status: R&R *Social Choice and Welfare*.
- “Transplant Center Incentives in Kidney Exchange.” (2005) Mimeo (with Alvin E. Roth and Tayfun Sönmez).

POLICY IMPACT through ECONOMIC DESIGN

- Co-founded the Banu Bedestenci Sönmez Liver-Paired Exchange System at Inonu University, Turkey (the first optimized liver-paired exchange program) and co-designed its algorithm (2022-present).
- Co-designed or helped design and implement several scarce COVID therapeutic and vaccine allocation schemes (see <https://covid19reservesystem.org>) (2020-present).
- Advised Turkish Ministry of Education on high school admissions mechanisms leading to an adopted design (2018-2019).
- Co-designed a recommendation system for finding adoptive families for children in the State-wide Adoption Network (SWAN) of Pennsylvania (2015).
- Co-designed the Alliance for Paired Kidney Donation kidney exchange system and algorithm (for which, elected as an INFORMS Franz Edelman Laureate, 2014) (2005-2016).
- Co-founded the New England Program for Kidney Exchange (NEPKE) (the first optimized kidney-paired exchange program) and co-designed its algorithm (2005-2010).
- At-Large Representative, United Network for Organ Sharing (for the establishment of US national kidney paired exchange program, which was eventually built on NEPKE) (2009-2010).

SOCIETY & CONFERENCE BOARDS

- Board Member (2016-present), President (2008-2015), *Society for Economic Design*.
- Council Member, *Society for Social Choice & Welfare* (2014-2019).
- Co-organizer and program co-chair, *Social Choice & Welfare Conf*: 2014; *Winter Workshop of Society for Economic Design and Johns Hopkins U*: 2011.
- Program co-chair, *Conf on Economic Design*: 2008.
- Senior program committee member, *ACM Economics & Computation Conf*: 2023, 2022, 2014, 2013.
- Organization committee, *Conf for the 20th Ann. of Roth and Sotomayor's Book*: 2010.
- Program committee member, *Conf on Mechanism & Institution Design*: 2024; *Econometric Society Meetings*: 2022; *ACM Economics & Computation Conf*: 2016, 2012; *Social Choice & Welfare Conf*: 2022, 2018, 2016, 2008, 2006; *Conf on Economic Design*: 2017, 2015, 2013, 2006; *MATCH-UP Conf*: 2015.

DISTINGUISHED TALKS

- Keynote, 25th Conference of the Coalition Theory Network, Barcelona, 2022, Spain
- Keynote, SING16 European Meeting on Game Theory, Virtual, 2021
- Keynote, Matching in Practice Workshop, Virtual, 2021

- Keynote, 50th NBER Decentralization Conference, Virtual, 2021
- Keynote, International City, Environment, and Health Conference of Turkey, Virtual, 2021
- Keynote, Match-Up Conference, Ascona, Switzerland, 2019
- Keynote, SHUFE Theory Conference, Shanghai, 2018
- Keynote, Arne Ryde Conference on Market Design, U Lund, Sweden, 2018
- Keynote, Matching in Practice Workshop, Budapest, 2016
- Semi-plenary, Game Theory Society World Congress, U Maastricht, 2016
- Keynote, Computational Social Choice Meeting, Toulouse, 2016
- Keynote, RES-York Symposium on Game Theory, U York, UK, 2016
- Keynote, Australasian Economic Theory Workshop, Deakin U, Australia, 2015
- Invited Tutorial, ACM Economics and Computation Conference, U Penn, 2013
- Invited Tutorial, AI and Simulated Behavior Conference, Exeter, UK, 2013
- Special COST Lecture, Conference on Economic Design, 2013
- Fred Gruen Public Lecture, Australia National U, 2013
- Terri McLaine Waters Alum Seminar, U Pittsburgh, 2010
- Plenary, International Conference on Game Theory, U Stony Brook, NY, 2010
- Semi-plenary, Econometric Society Europe Meeting, European U, Budapest, 2007
- Murat Sertel Keynote Lecture, Boğaziçi U, İstanbul, 2004

TEACHING & ADVISING

- Graduate: Microeconomic Theory II, Mechanism Design, Matching Market Design
- Undergraduate: Intermediate Microeconomics, Game Theory

Advising / Letter Writing for PhD Students

A denotes my role as primary advisor/co-advisor; otherwise my role is secondary advisor.

The final entries are the first or subsequent placements, * denotes that student's area is market design

1. Ayça Giritligil (Boğaziçi, 2001) Işık U, İstanbul, asst. prof.;
2. Hadi Yektaş (Pitt, 2006) U Guelph, Canada, visiting;
3. Yong-Ju Lee (Pitt, 2007) Samsung Research Inst, Korea;
4. Yong Sui (Pitt, 2007) Shanghai Jiao Tong U, tenure-track;
5. Ana Espinola-Arredondo (U Pitt, 2008) Washington S U, tenure-track;
6. Morimitsu Kurino* (Pitt, 2009, A) Max Planck Inst and WZ Berlin, post-doc; Tsukuba U, tenure-track;
7. Alexey Kushnir* (Penn State U, 2010) U Zurich, asst. prof.;
8. Özgün Ekici* (Carnegie Mellon, 2011) Özyeğin U, İstanbul, asst. prof.;

9. Çağlar Yurtseven (BC, 2011, A) Bahçeşehir U, Istanbul, asst. prof.;
10. Chiu Yu Ko (BC, 2012) National U Singapore, tenure-track;
11. Radoslav Raykov (BC, 2012, A) Bank of Canada;
12. Murat Kurt (Pitt - IE, 2012) SUNY Buffalo, tenure-track;
13. Samson Alva* (BC, 2013, A) U Texas at San Antonio, tenure-track;
14. Umut M Dur* (Texas, 2013, A) NCSU, tenure-track;
15. Inació Bo* (BC, 2014, A) WZ Berlin, post-doc; U York, UK, tenure track;
16. Orhan Aygün* (BC, 2014) Boğaziçi U., tenure-track;
17. Chen-Yu Pan (BC, 2014) Wuhan University, China, tenure-track;
18. Bertan Turhan* (BC, 2015, A) ITAM, Mexico, tenure-track;
19. Yat F Wong (BC, 2015) Southwestern UFE, China, tenure-track;
20. Vincent Slauch* (Carnegie Mellon - OM, 2015) PSU, post-doc; Cornell U, tenure-track;
21. Madhav Raghavan* (ISI Delhi, 2016) Lausanne, post-doc;
22. Xiang Han* (SMU, 2017) Shanghai UFE, tenure-track;
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