

CURRICULUM VITAE

TAYFUN SÖNMEZ

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Education:

- Ph.D. in Economics, University of Rochester, May 1995.
- M.A. in Economics, University of Rochester, May 1994.
- B.S. in Electrical Engineering, Bilkent University, Ankara, Turkey, June 1990.

Full Time Appointments:

- September 2005 - present: Professor of Economics, Boston College
- January 2000 - August 2005: Associate Professor of Economics, Koç University, İstanbul, Turkey
- February 1999 - January 2000: Assistant Professor of Economics, Koç University, İstanbul, Turkey
- July 1995 - January 1999: Assistant Professor of Economics, University of Michigan

Visiting Positions:

- July - August 2013 - 2017: Distinguished Research Fellow, Koç University, İstanbul, Turkey
- September 2004 - August 2005: Research Fellow, Harvard Business School

Fields of Specialization: Microeconomic Theory, Mechanism/Market Design, Game Theory, Economics of Education, Matching Theory.

Refereed Journal Publications:

1. “Efficient and Incentive Compatible Liver Exchange,” (joint with Haluk Ergin and Utku Ünver), forthcoming in *Econometrica*.
2. “Incentivized Kidney Exchange,” (joint with Utku Ünver and M. Bumin Yenmez), forthcoming in *American Economic Review*.
3. “Explicit vs. Statistical Targeting in Affirmative Action: Theory and Evidence from Chicago’s Exam Schools” (with Umut Dur and Parag Pathak), forthcoming in *Journal of Economic Theory*.
4. “Reserve Design: Unintended Consequences and The Demise of Boston’s Walk Zones” (joint with Umut Dur, Scott Duke Kominers, and Parag Pathak), *Journal of Political Economy*, 126(6): 2457-2479, December 2018.
5. “How (not to) Integrate Blood Subtyping Technology to Kidney Exchange” (joint with Utku Ünver and Özgür Yılmaz), *Journal of Economic Theory*, 176: 193-231, July 2018.
6. “Dual-Donor Organ Exchange,” (joint with Haluk Ergin and Utku Ünver), *Econometrica*, 85(5): 1645-1671, September 2017.
7. “School Choice Under Complete Information: An Experimental Study,” (joint with Yan Chen and Yingzhi Liang), *Journal of Mechanism and Institution Design*, 1(1): 45-82, December 2016.
8. “Matching with Slot-Specific Priorities: Theory,” (joint with Scott Duke Kominers), *Theoretical Economics*, 11(2), 683-710, May 2016.
9. “Kidney Exchange and the Alliance for Paired Donation: Operations Research Changes the Way Kidneys are Transplanted,” (joint with Ross Anderson, Itai Ashlagi, David Gamarnik, Michael Rees, Alvin E. Roth, and Utku Ünver) *INFORMS Journal on Applied Analytics*, 45-1: 26-42, January-February 2015.
10. “Altruistically Unbalanced Kidney Exchange” (joint with Utku Ünver), *Journal of Economic Theory*, 152: 105-129, July 2014.
11. “Matching with Contracts: Comment” (joint with Orhan Aygün), *American Economic Review*, 103(5): 2050-2051, August 2013.
12. “Bidding for Army Career Specialties: Improving the ROTC Branching Mechanism,” *Journal of Political Economy*, 121(1): 186-219, February 2013.

13. "Matching with (Branch-of-Choice) Contracts at the United States Military Academy" (joint with Tobias Switzer), *Econometrica*, 81(2): 451-488, March 2013.
14. "School Admissions Reform in Chicago and England: Comparing Mechanisms by Their Vulnerability to Manipulation" (joint with Parag Pathak), *American Economic Review*, 103(1): 80-106, February 2013.
15. "House Allocation with Existing Tenants: A Characterization" (joint with Utku Ünver), *Games and Economic Behavior*, 69(2): 425-445, July 2010.
16. "Course Bidding at Business Schools" (joint with Utku Ünver), *International Economic Review*, 51(1): 99-123, Feb 2010.
17. "Leveling the Playing Field: Sincere and Strategic Players in the Boston Mechanism" (joint with Parag Pathak), *American Economic Review*, 98(4): 1636-1652, 2008.
18. "Kidney Paired Donation with Compatible Pairs," (joint with Alvin Roth and Utku Ünver), *American Journal of Transplantation*, 8(2):463, Feb 2008.
19. "Efficient Kidney Exchange: Coincidence of Wants in Markets with Compatibility-Based Preferences" (joint with Alvin Roth and Utku Ünver), *American Economic Review*, 97-3: 828-851, June 2007.
20. "Increasing the Opportunity of Live Kidney Donation by Matching for Two and Three Way Exchanges" (joint with Susan Saidman, Alvin Roth, Utku Ünver and Francis Delmonico), *Transplantation* 81(5): 773-782, 2006.
21. "Utilizing List Exchange and Non-directed Donation through 'Chain' Paired Kidney Donation" (joint with Alvin Roth, Utku Ünver, Francis Delmonico and Susan Saidman), *American Journal of Transplantation* 6(11): 2694-2705, November 2006.
22. "School Choice: An Experimental Study" (joint with Yan Chen), *Journal of Economic Theory*, 127: 202-231, 2006.
23. "Games of School Choice under the Boston Mechanism" (joint with Haluk Ergin), *Journal of Public Economics*, 90: 215-237, 2006.
24. "Pairwise Kidney Exchange" (joint with Alvin Roth and Utku Ünver), *Journal of Economic Theory*, 125: 151-188, 2005.

25. "House Allocation with Existing Tenants: An Equivalence" (joint with Utku Ünver), *Games and Economic Behavior* 52:153-185, 2005.
26. "Kidney Exchange" (joint with Alvin Roth and Utku Ünver), *Quarterly Journal of Economics* 119: 457-488, 2004.
27. "Room Assignment-Rent Division: A Market Approach" (joint with Atila Abdulkadiroğlu and Utku Ünver), *Social Choice and Welfare* 22: 515-538, 2004.
28. "An Experimental Study of House Allocation Mechanisms" (joint with Yan Chen), *Economics Letters* 83: 137-140, 2004.
29. "School Choice: A Mechanism Design Approach" (joint with Atila Abdulkadiroğlu), *American Economic Review*, 93: 729-747, 2003.
30. "Ordinal Efficiency and Dominated Sets of Assignments" (joint with Atila Abdulkadiroğlu), *Journal of Economic Theory*, 112: 157-172, 2003.
31. "Improving Efficiency of On-Campus Housing: An Experimental Study" (joint with Yan Chen), *American Economic Review*, 92: 1669-1686, 2002.
32. "Core in a Simple Coalition Formation Game" (joint with Suryapratim Banerjee and Hideo Konishi), *Social Choice and Welfare*, 18: 135-153, 2001.
33. "House Allocation with Existing Tenants" (joint with Atila Abdulkadiroğlu), *Journal of Economic Theory*, 88: 233-260, 1999.
34. "Can Pre-Arranged Matches be Avoided in Two-Sided Matching Markets?" *Journal of Economic Theory*, 86: 148-156, 1999.
35. "Strategy-Proofness and Essentially Single-Valued Cores," *Econometrica*, 67: 677-689, 1999.
36. "A Tale of Two Mechanisms: Student Placement" (joint with Michel Balinski), *Journal of Economic Theory*, 84: 73-94, 1999.
37. "Random Serial Dictatorship and the Core from Random Endowments in House Allocation Problems" (joint with Atila Abdulkadiroğlu), *Econometrica*, 66: 689-701, 1998.
38. "Manipulation via Capacities in Two-Sided Matching Markets," *Journal of Economic Theory*, 77: 197-204, 1997.

39. "Games of Manipulation in Marriage Problems," *Games and Economic Behavior*, 20, 169-176, 1997.
40. "Implementation of College Admission Rules" (joint with Tarık Kara), *Economic Theory*, 9: 197-218, 1997.
41. "Implementation in Generalized Matching Problems," *Journal of Mathematical Economics*, 26: 429-439, 1996.
42. "Strategy-Proofness in Many-to-One Matching Problems," *Economic Design* 1: 365-380, 1996.
43. "Nash Implementation of Matching Rules" (joint with Tarık Kara), *Journal of Economic Theory* 68: 425-439, 1996.
44. "Consistency, Monotonicity, and the Uniform Rule," *Economics Letters*, 46, 229-235, 1994.

Other Publications:

1. "Leverbytesprogram - framtid fr Sverige?" (Liver Exchange - A future for Sweden?), (with Tommy Andersson and Utku Ünver), *Lakartidningen (The Journal of the Swedish Medical Association)* 115, E9YL, August 2018.
2. "Market Design for Living-Donor Organ Exchanges: An Economic Policy Perspective" (joint with Utku Ünver), *Oxford Review of Economic Policy*, 33(4): 676-704, November, 2017.
3. "Cadet-Branch Matching," *ACM SIGecom Exchanges*, 13(1): 50-57, June 2014.
4. "Market Design for Kidney Exchange," (joint with Utku Ünver) Z. Neeman, A. Roth, N. Vulkan (eds.) *Oxford Handbook of Market Design*, Oxford, 2013.
5. "Matching Markets: Theory and Practice," (joint with Atila Abdulkadirođlu), *Advances in Economics and Econometrics*, D. Acemoglu, M. Arelllo, and E. Dekel (eds), Cambridge, 2013.
6. "Matching, Allocation, and Exchange of Discrete Resources," (joint with Utku Ünver), J. Benhabib, A. Bisin, and M. Jackson (eds.) *Handbook of Social Economics, Handbook of Social Economics*, Vol. 1A. The Netherlands: North-Holland, (2011) 781-852.

7. “Matching” (joint with Muriel Niederle and Alvin Roth), *The New Palgrave Dictionary of Economics*, 2nd edition, Eds. Steven N. Durlauf and Lawrence E. Blume, Palgrave Macmillan, 2008.
8. “A Kidney Exchange Clearinghouse in New England” (joint with Alvin Roth and Utku Ünver), *American Economic Review Papers & Proceedings* 95-2: 376-380, 2005.
9. “The Boston Public School Match” (joint with Atila Abdulkadiroğlu, Parag Pathak and Alvin Roth), *American Economic Review Papers & Proceedings* 95-2: 368-371, 2005.

Working Papers:

1. “Affirmative Action in India via Vertical and Horizontal Reservations,” (joint with M. Bumin Yenmez), March 2019. Revise-and-resubmit, *Econometrica*.
2. “Deduction Dilemmas: The Taiwan Assignment Mechanism,” (joint with Umut Dur, Parag Pathak, and Fei Song), September 2018. Revise-and-resubmit, *A EJ: Microeconomics*.
3. “Affirmative Action with Overlapping Reserves,” (joint with M. Bumin Yenmez), December 2019.
4. “Immigration Lottery Design: Engineered and Coincidental Consequences of H1B Reforms,” (joint with Parag Pathak and Alex Rees-Jones), February 2020.
5. “Constitutional Implementation of Vertical and Horizontal Reservations in India: A Unified Mechanism for Civil Service Allocation and College Admissions,” (joint with M. Bumin Yenmez), April 2019.

Awards and Honorific Elections:

- Economic Theory Fellow, elected in 2016.
- Elected to Science Academy, Turkey, November 2014.
- Franz Edelman Laureate, Institute for Operations Research and Management Sciences (INFORMS), 2014.
- Social Choice and Welfare Prize, 2008.
- TÜBA (Turkish Academy of Sciences) Science Award, May 2005.

- Econometric Society Fellow, elected in 2003.
- TÜBA (Turkish Academy of Sciences) Distinguished Young Scholar Award, June 2002.
- TÜBA (Turkish Academy of Sciences) Young Investigator Award, September 2000.

Grants:

- National Science Foundation grant SES-1729778, “Liver Exchange,” 2017-2019.
- Dalinc Ariburnu - Goldman Sachs Faculty Research Fund, Grant 5104132, 2016-2022.
- Dalinc Ariburnu - Goldman Sachs Faculty Research Fund, Grant 52197, 2015-2019.
- National Science Foundation Grant SES-1426440, “Organ Exchange for Kidneys, Livers, and Lungs,” 2014-2017.
- National Science Foundation Grant SES-1426566, “Diversity and Transportation in School Choice,” 2014-2017.
- Dalinc Ariburnu - Goldman Sachs Faculty Research Fund, Grant 50629, 2013-2016.
- National Science Foundation grant SES-0616470, “Collaborative Research: Kidney Exchange,” 2006-2008.
- National Science Foundation Grant SBR-9904214, “Mechanism Design for Indivisible Goods Allocation,” 1999-2001.
- National Science Foundation Grant SBR-9709138, “Mechanism Design in Matching Problems,” 1997-1999.

Distinguished Lectures:

- Arrow Lecture, 14th International Meeting of the Society for Social Choice and Welfare, Seoul, June 2018.
- Latin American Economic Review Special Lecture, CIDE, Mexico City, September 2014.
- Keynote Lecture, CIREQ Montreal Matching Conference, Montreal, March 2014.
- Keynote Lecture, Texas Economic Theory Camp, Texas A&M University, September 2013.

- Murat Sertel Lecture, The 8th Biennial Conference on Economic Design, Lund University, July 2013.
- Invited Speaker, MATCH-UP 2012: the Second International Workshop on Matching Under Preferences, Budapest, July 2012.
- Invited Speaker, 2012 Econometric Society Australasian Meeting, Melbourne, July 2012.
- Invited Speaker, 10th World Congress of Econometric Society, Shanghai, August 2010.
- Social Choice and Welfare Prize Lecture, 9th International Meeting of the Society for Social Choice and Welfare, Montreal, June 2008.
- Invited Speaker, Barcelona JOCS, Barcelona, October 2007.

Mini Courses/Tutorials:

- Mini course on “Matching Markets: Theory and Practice,” The 3rd İstanbul Graduate Summer School, Bilgi University, July 2015.
- Mini course on “Market Design,” Tsukuba University, October 2014.
- Mini course on “Matching Markets: Theory and Practice,” The 2nd İstanbul Graduate Summer School, Koç University, July 2014.
- Mini course on “Market Design,” The 12th Meeting of the Society for Social Choice and Welfare, Boston, June 2014.
- Mini course on “Market Design,” Texas A&M University, September 2013.
- Mini course on “Matching Markets: Theory and Practice,” The 1st İstanbul Graduate Summer School, Boğaziçi University, July-August 2013.
- Mini course on “Matching Markets: Theory and Applications,” Arne Ryde Mini-Course on Economic Design, Lund, July 2013.
- Tutorial on “Market Design,” EC13: 14th ACM Conference on Electronic Commerce, Philadelphia, June 2013.
- Mini course on “Matching Markets: Theory and Practice,” Tel Aviv University, April-May 2013.

- Mini course on “Matching Markets: A Market Design Approach,” Nesin Mathematical Economics Summer School, Şirince, August 2012.
- Mini course on “Matching Markets: Theory and Practice,” Centre for Regional Economic and Public Policy, Deakin University/Centre for Market Design, University of Melbourne, Melbourne, July 2012.
- Mini course on “Matching Markets: Theory and Practice,” Center for Mathematical Studies in Economics and Management Science (CMS-EMS), Northwestern University, May 2012.
- Mini course on “Matching Theory,” University of Zurich, November 2011.
- Tutorial on “Matching Theory,” 16th Jerusalem Summer School in Economic Theory “Matching, Auctions, and Market Design,” Jerusalem, July 2005.

Selected Press Coverage of Research:

- “Lung exchanges Breathe deeply for the three of us,” *The Economist*, Free Exchange, 9/28/2014.
- “No Division Required in This School Problem,” *New York Times*, 3/12/ 2013.
- “A Market for Kidneys?” *Wall Street Journal*, 11/13/2007.
- “Undercover Economist: Stakes in Kidneys,” *Financial Times*, 6/13/2007.
- “Flesh Trade,” Freakonomics, *New York Times Magazine*, 7/9/2006.
- “Easing the Kidney Shortage,” *Wall Street Journal*, 6/17/2004.
- “Cross-donor system planned for region’s kidney patients,” *Boston Globe*, 6/5/2004.
- “School assignment flaws detailed Two economists study problem, offer relief,” *Boston Globe*, 9/12/2003.