

Sinan Ertemel

Istanbul Technical University
Management Faculty
Maçka, 34367, Istanbul, Turkey
Phone: +90 (212) 293 1300 – 2059 e-mail: ertemels@itu.edu.tr
Website: <http://www.sertemel.com>

EDUCATION

Ph.D. Economics, Rice University, December 2013
M.A. Economics, Rice University, May 2013
Coursework in Master Program in Economics, Boğaziçi University, 2003-2005
B.Sc. Industrial Engineering, Middle East Technical University, June 2003

EMPLOYMENT

Assistant Professor, Department of Economics, Istanbul Technical University, 2014- present
Adjunct Assistant Professor, Department of Economics, Koç University, 2018- present
Adjunct Assistant Professor, Department of Economics, Sabancı University, 2017- present
Visiting Research Fellow, Paris School of Economics, December 2019
Visiting Research Fellow, Management School, Queen's University at Belfast, July-August 2018
Visiting Research Fellow, Kyiv School of Economics, July-September 2017
Visiting Research Fellow, Management School, Queen's University at Belfast, August 2016
Adjunct Assistant Professor, Department of Economics, Boğaziçi University, 2015
Teaching Assistant, Department of Economics, Rice University, 2005-2013
Teaching Assistant, Department of Economics, Boğaziçi University, 2004-2005

DISSERTATION

Essays on Fair Division and Social Choice
Committee: Prof. Hervé Moulin (Chair), Prof. Anna Bogomolnaia, and Prof. Richard Stoll

FIELDS OF SPECIALIZATION

Primary: Market Design, Matching Theory, Fair Division, Social Choice, Game Theory
Secondary: Decision under Uncertainty, Economics of Education, Energy Economics

PUBLICATIONS

- “Rationing Rules for Risky Claims”, with Siddharth Chatterjee and Rajnish Kumar, *Journal of Mathematical Economics*, forthcoming (available online)
<https://doi.org/10.1016/j.jmateco.2023.102868>
- “Game theory-oriented approach for disassembly line worker assignment and balancing problem with multi-manned workstations” with Emre Çevikcan, Miraç Murat and Yıldız Köse, *Computers and Industrial Engineering*, July 2023
<https://doi.org/10.1016/j.cie.2023.109294>
- “Rationing Rules under Uncertain Claims: a survey” with Rajnish Kumar, *Game Theory and Networks: New Perspectives and Directions*, October 2021
https://link.springer.com/chapter/10.1007/978-981-16-4737-6_10

- “Proportional Rules for State Contingent Claims”, (joint with Rajnish Kumar), *International Journal of Game Theory*, March 2018, Volume 47, Issue 1, pp 229–246
<http://dx.doi.org/10.1007/s00182-017-0585-7>
- “Voting Games of Resolute Social Choice Correspondences” (joint with Levent Kutlu and M. Remzi Sanver), *Social Choice and Welfare*, June 2015, Volume 45, Issue 1, pp 187-201
<http://dx.doi.org/10.1007/s00355-015-0872-9>
- “Essays on Fair Division and Social Choice”, Doctoral dissertation, Rice University, December 2013
<https://scholarship.rice.edu/handle/1911/76716>

WORKING PAPERS

- “Sequential School Choice with Public and Private Schools”, with Tommy Andersson, Umut Mert Dur and Onur Kesten, revised and resubmitted to *Social Choice and Welfare*
- “A Game Theoretical Approach to Islamic Law Disputes”, with Burak Doğan, revised and resubmitted to *Journal of Islamic Accounting and Business Research*
- “Matching with Overlapping Quotas under Weak Preferences”, with David Thomas Seymour
- “Welfare Egalitarianism under Uncertainty”
- “Kıt Kaynakların Paylaşılması: Talepler Problemi Literatürü Üzerine Bir İnceleme”, with Orhan Aygün and Burak Doğan

WORK IN PROGRESS

- “Fair and Efficient Allocation of Budget Seats in Ukrainian Universities”, with Mustafa Oğuz Afacan, Umut Mert Dur and Onur Kesten
- “Ordered Object Allocation”, with Mustafa Oğuz Afacan and David Thomas Seymour

OTHER PUBLICATIONS

- “Miras Hukuku Sistemlerinde Bir İflas Problemi Uygulaması: İslam Miras Hukuku Örneği”, with Burak Doğan, Pamukkale Üniversitesi Sosyal Bilimler Enstitüsü Dergisi, 2023
<https://dergipark.org.tr/en/download/article-file/2430124>
- “Otomotiv Sektöründe Performans Pazarlama Yaklaşımıyla Uçtan Uca Dönüşüm Optimizasyonu Üzerine bir Uygulama”, with Adnan Veysel Ertemel and Cemil Can Çoğuğ, *Journal of Business and Communication Studies*, 2022
<https://jobacs.com/sayi/92477ab9-8a4a-4c0f-95a0-eed8dff6d2b3.pdf#page=26>
- “A Distribution Network Design Model for Additive Manufacturing”, *Industrial Engineering in the Internet-of-Things World*, GJCIE 2020. Lecture Notes in Management and Industrial Engineering. Springer, August 2021
https://link.springer.com/chapter/10.1007/978-3-030-76724-2_20

- “Profit Allocation in the Turkish Electricity Industry Based on Cooperative Game Theory” (joint with Nurtaç Karaca), In: Calisir F., Korhan O. (eds) Industrial Engineering in the Digital Disruption Era. GJCIE 2019. Lecture Notes in Management and Industrial Engineering. Springer, March 2020 https://link.springer.com/chapter/10.1007/978-3-030-42416-9_24
- “OPEC’in Enerji Fiyatları Üzerindeki Etkisi: 2014-2016 Yılları”, Opportunities in the Mediterranean Region Economy, Energy and Security, February 2019 [https://ipv4.tasam.org/Files/Icerik/File/akdeniz_\(1\)_pdf_61cba411-b431-4611-a416-8adea7cd6a66.pdf](https://ipv4.tasam.org/Files/Icerik/File/akdeniz_(1)_pdf_61cba411-b431-4611-a416-8adea7cd6a66.pdf)
- “Three Essays on Welfare Economics”, SRA Academic Publishing, 2023

TEACHING EXPERIENCE

Instructor

- Advanced Microeconomics I (Graduate), Istanbul Technical University, Fall 2019, 2020, 2023
- Microeconomics I (Graduate), Koç University, Spring 2019
- Microeconomics II (Graduate), Istanbul Technical University, Spring 2016
- Game Theory (Graduate), Istanbul Technical University, Fall 2017, 2018, 2019, 2021, 2022, 2023
- Mathematical Methods and Models for Economists, Koç University, Fall 2023
- Game Theory and Strategy, Koç University, Spring 2019, Fall 2022, 2023
- Microeconomics, Sabancı University, Summer 2021, 2023
- Intermediate Microeconomics, Istanbul Technical University, Fall 2017
- Intermediate Macroeconomics, Sabancı University, Summer 2020
- Games and Strategies, Sabancı University, Spring 2017, 2018, 2023
- Game Theory, Istanbul Technical University, Fall 2020, 2021
- Energy Economics, Istanbul Technical University, Spring 2017, 2018, 2019, 2020, 2021, 2022, 2023
- Turkish Economy, Istanbul Technical University, Spring 2021
- Principles of Economics, Istanbul Technical University, Fall 2014, 2015, 2016, 2017, 2018, Spring 2014, 2015, 2016
- Principles of Microeconomics, Istanbul Technical University, Fall 2014, 2015
- Public Economics, Istanbul Technical University, Spring 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023
- Public Economics, Koç University, Spring 2022, 2023
- Statistics I, Istanbul Technical University, Fall 2015, 2016
- Econometrics I, Istanbul Technical University, Fall 2018
- Principles of Macroeconomics, Boğaziçi University, Spring 2015
- Principles of Economics I, Rice University, Fall 2008

Thesis Supervision and Committees

M.A. Thesis

- Ömer Cem Ayaz, Istanbul Technical University, Spring 2015
- Gökçen Cangüven, Boğaziçi University, Spring 2015

- İbrahim Emirahmetoğlu, Boğaziçi University, Spring 2015
- Kemal Kadioğlu, Istanbul Technical University, Spring 2018
- Ozan Maraşlı, Istanbul Technical University, Spring 2018 (Advisor)
- Nurtaç Karaca, Istanbul Technical University, Spring 2019 (Advisor)
- Ravshanbek Khodzhimatov, Boğaziçi University, Spring 2019
- Elif Cansu Dilmen, Koç University, Spring 2019
- Hasan Gökay Aytekin, Sabancı University, Spring 2019
- Kamil Ahmadov, Istanbul Technical University, Fall 2019 (Advisor)
- Furkan Doğan, Sabancı University, Fall 2019

Ph.D. Thesis

- Metin Pişkin, Istanbul Technical University, Spring 2018

Teaching Assistant

- Principles of Economics, Intermediate Microeconomics, Introduction to Game Theory, Advanced Game Theory, Graduate Microeconomics, Distributive Justice, Mathematical Economics

PROFESSIONAL ACTIVITIES

Presentations and Conferences

- Workshop on Network and Games, Belfast, United Kingdom, May 2023
- Global Joint Conference on Industrial Engineering and Its Application Areas, August 2020
- International Conference on Game Theory and Networks, Dibrugarh, India, September 2019
- Global Joint Conference on Industrial Engineering and Its Application Areas, Gazimagusa, TRNC, September 2019
- BiNoMa 2019, Belfast, United Kingdom, June 2019
- İTÜ Workshop on Fair Division, February 2019
- Sabancı University, Departmental Seminar, Istanbul, Turkey, November 2018
- Workshop on Network and Games, Belfast, United Kingdom, April 2018
- Istanbul Technical University, Economics Department Seminar, Istanbul, Turkey, April 2018
- The 2017 Annual Meeting of ASSET, Algiers, Algeria, October 2017
- Middle East Technical University, Applied Mathematics Departmental Seminar, Ankara, Turkey, October 2017
- XVIII April International Academic Conference On Economic and Social Development, Moscow, Russian Federation, April 2017
- Kyiv School of Economics, Departmental Seminar, Kyiv, Ukraine, March 2017
- Middle East Technical University, Industrial Engineering Departmental Seminar, Ankara, Turkey, March 2017
- İTÜ Workshop on Matching Markets, December 2016
- Queen's University at Belfast, Departmental Seminar, Belfast, United Kingdom, August 2016
- 13th International Meeting of the Social Choice and Welfare, Lund, Sweden, July 2016
- Ege University, Departmental Seminar, Izmir, Turkey, May 2016
- Rice University, Brown Bag Seminar, January 2016
- IX Winter Workshop in Economics, Koç University, December 2015

- EAGT 2015, East Asian Game Theory Conference, Tokyo, Japan, August 2015
- SED 2015, Conference on Economic Design, Istanbul, Turkey, July 2015
- 13th SAET Conference, University of Cambridge, London, UK, July 2015
- Conference in honor of Hervé Moulin, Marseille, France, September 2015
- Sabancı University, Departmental Seminar, Istanbul, Turkey, December 2014
- Istanbul Technical University, Economics Department Seminar, Istanbul, Turkey, November 2014
- Carnegie Mellon University – Qatar, Departmental Seminar, Doha, Qatar, October 2014
- Middle East Technical University, Departmental Seminar, Ankara, Turkey, September 2014
- International Workshop on Game Theory, Sao Paulo, Brazil, July 2014
- Maastricht University, GSBE Seminar, Maastricht, Netherlands, June 2014
- Law and Economics Conference, Bilkent University, Ankara, Turkey, April 2014
- Istanbul Technical University, Economics Department Seminar, Istanbul, Turkey, March 2014
- The Statistical, Economic and Social Research and Training Centre for Islamic Countries. Ankara, Turkey, February 2014
- Azerbaijan Diplomatic Academy, Economics Department, Baku, Azerbaijan, February 2014
- Royal Economic Society Meetings, London, UK, January 2014
- Rice University Microeconomic Theory Workshop, Houston, TX, October 2013
- 2nd Texas Economic Theory Camp, College Station, TX, September 2013
- SED 2013 8th Conference on Economic Design, Lund, Sweden, July 2013
- 13th SAET Conference, Paris, France, July 2013
- 4th World Congress of Game Theory Society, Istanbul, Turkey, July 2012
- Public Choice Society Annual Meeting, Las Vegas, NV, March 2009
- 19th Summer School in Economic Theory, Jerusalem, Israel, July 2008
- 9th International Meeting of the Social Choice and Welfare, Montreal, Canada, June 2008
- SED 2008 5th Conference on Economic Design, Ann Arbor, MI, June 2008
- Public Choice Society Annual Meeting, San Antonio, TX, March 2008

Conferences Organized

- İTÜ Workshop on Social Choice and Fair Division, September 2023
- İTÜ Workshop on Fair Division, February 2019
- İTÜ Workshop on Matching Markets, December 2016

Conferences/Seminars/Courses Attended

- Policy and Market Design in Uncertain and Complex Environments, Kyiv School of Economics, Kyiv, Ukraine, July 2018
- Summer School on Fair Division: Between Economics, Mathematics and Computer Science, Saint Petersburg, Russian Federation, August 2017
- International Workshop on Game Theory and Economic Applications of the Game Theory Society, São Paulo, Brazil, July 2014
- 10th International Meeting of the Social Choice and Welfare, Moscow, Russia, July 2010
- Bosphorus Workshop on Economic Design, Bodrum, Turkey, July 2010
- Workshop on Prior-Free Mechanism Design, Guanajuato, Mexico, May 2010
- 8th International Meeting of the Social Choice and Welfare, Istanbul, Turkey, June 2006
- Minicourse on Networks by Matthew O. Jackson, Istanbul, July 2006

Referee Work

- The Economic Journal, International Journal of Game Theory, Mathematical Social Sciences, Theory and Decision, Group Theory and Decision, Boğaziçi Journal

Faculty/Departmental Service

- Vice Dean at ITU Management Faculty, 2020-present
- Member of Faculty Council at ITU Management Faculty, 2018-present
- Coordinator of Dual Degree Program with SUNY New Paltz, 2016-present
- Member of Scholarship Committee at ITU Management Faculty, 2014-present
- Departmental Seminar Organizer at ITU Economics, 2015-2016

HONORS AND FELLOWSHIPS

- British Academy Newton Mobility Grant, 2018-2019
- French Embassy Research Fellowship, 2019
- TÜBİTAK 2232 - Postdoctoral Reintegration Fellowship Grant, 2015-2017
- FAPESP accommodation and travel grant, São Paulo School of Advanced Sciences in Game Theory and Applications, São Paulo, Brazil, 2014
- Rice University Florence Fulton Fellowship, Spring 2010
- Favorite Professor of Scholar Athletes in Rice University, 2008, 2009, and 2011
- Rice University Graduate Fellowship, 2005-2009
- Travel Grant, 19th Summer School in Economic Theory, Jerusalem, Israel, July 2008

MEMBERSHIPS IN PROFESSIONAL SOCIETIES

- Society for Social Choice and Welfare
- Game Theory Society
- Society for Economic Design
- Public Choice Society

COMMUNITY INVOLVEMENT

Honorary Vice Consul of the Republic of Vanuatu

LANGUAGES

Turkish (Native), Arabic (Native), English (Fluent), German (Intermediate), Russian (Intermediate), French (Beginner), Spanish (Basic)

REFERENCES

Prof. Hervé Moulin University of Glasgow	herve.moulin@glasgow.ac.uk	+44 0 141 330 3993
Prof. Simon Grant	simongrant@uq.edu.au	+61 7 336 56559

The University of
Queensland

Prof. Anna Bogomolnaia
University of Glasgow

anna.bogomolnaia@glasgow.ac.uk

+44 0 141 330 2565

Prof. Ronald Soligo
Rice University

soligo@rice.edu

+1 713 348 4683

Prof. Remzi Sanver
Université Paris-Dauphine

remzi.sanver@dauphine.fr

+90 212 311 7104

Prof. Onur Kesten
University of Sydney

onur.kesten@sydney.edu.au

+61 2 8627 9469