

# Sinan Ertemel

ASSISTANT PROFESSOR OF ECONOMICS

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## Education

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### Rice University

Houston, Texas, USA

PH.D. ECONOMICS

December 2013

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

### Boğaziçi University

Istanbul, Türkiye

GRADUATE COURSEWORK IN M.Sc. ECONOMICS

2003-2005

### Middle East Technical University

Ankara, Türkiye

B.Sc. INDUSTRIAL ENGINEERING

June 2003

## Professional Experience

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2020-present	Vice Dean	Faculty of Management, Istanbul Technical University
2014-present	Assistant Professor	Department of Economics, Istanbul Technical University
2018-present	Adjunct Assistant Professor	Department of Economics, Koç University
2017-present	Adjunct Assistant Professor	Department of Economics, Sabancı University
2019	Visiting Research Fellow	Paris School of Economics
2018	Visiting Research Fellow	Management School, Queen's University at Belfast
2017	Visiting Research Fellow	Kyiv School of Economics
2016	Visiting Research Fellow	Management School, Queen's University at Belfast
2015	Adjunct Assistant Professor	Department of Economics, Boğaziçi University
2005-2013	Teaching Assistant	Department of Economics, Rice University
2004-2005	Teaching Assistant	Department of Economics, Boğaziçi University

## Fields Of Specialization

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Primary: Game Theory, Fair Division, Social Choice, Matching Theory

Secondary: Decision under Uncertainty, Economics of Education, Energy Economics

## Publications

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### PUBLISHED

“A Game Theoretical Approach to Islamic Law Disputes”, with Burak Doğan, Journal of Islamic Accounting and Business Research, forthcoming

<https://doi.org/10.1108/JIABR-03-2023-0100>

“Rationing Rules for Risky Claims”, with Siddharth Chatterjee and Rajnish Kumar, Journal of Mathematical Economics, October 2023

<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](https://link.springer.com/chapter/10.1007/978-981-16-4737-6_10)
- “Proportional Rules for State Contingent Claims”, 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”, 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*
- “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
- “Analyzing Efficiency in the Medical Laboratory Industry using Stochastic Frontier Analysis”, with Levent Kutlu
- “Custom Due Dates and Late Payments”, with Mehmet Yiğit Gürdal and Tolga Umut Kuzubaş
- “Welfare Egalitarianism under Uncertainty”

## OTHER PUBLICATIONS

- “İslam Tarihinden Üç Borçlar Hukuku Uyuşmazlığının Aksiyomatik İncelemesi”, with Burak Doğan, *İstanbul Üniversitesi Darülfünun İlahiyat*, forthcoming
- “Kıt Kaynakların Paylaştırılması: Talepler Problemi Literatürü Üzerine Bir İnceleme”, with Orhan Aygün and Burak Doğan, *Anadolu Üniversitesi Sosyal Bilimler Dergisi*, September 2023  
<https://doi.org/10.18037/ausbd.1320872>
- “Fair Division of Scarce Resources: A Brief Survey of Claims Problems”, *Industrial Policy*, July 2023  
<https://dergipark.org.tr/en/download/article-file/3281633>
- “Miras Hukuku Sistemlerinde Bir İflas Problemi Uygulaması: İslam Miras Hukuku Örneği”, with Burak Doğan, *Pamukkale Üniversitesi Sosyal Bilimler Enstitüsü Dergisi*, March 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 Çoçtuğ, *Journal of Business and Communication Studies*, November 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](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”, 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](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

## Referee Work

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The Economic Journal, Journal of Economic Behavior & Organization, International Journal of Game Theory, Journal of Mathematical Economics, Mathematical Social Sciences, Theory and Decision, Group Theory and Decision, Boğaziçi Journal

## Awards, Fellowships, & Grants

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

## Membership in Professional Societies

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- 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

## Professional Activities

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### 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 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

#### FACULTY/DEPARTMENTAL SERVICE

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

#### Teaching Experience

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##### 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

### TEACHING ASSISTANT

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

### THESIS SUPERVISION

#### M.A. THESIS

- Ozan Maraşlı, Istanbul Technical University Spring 2018
- Nurtaç Karaca, Istanbul Technical University Spring 2019
- Kamil Ahmadov, Istanbul Technical University Fall 2019

#### PH.D. THESIS

- Burak Doğan, Istanbul Technical University Fall 2023
- Yunus Emre Gürler, Istanbul Technical University Fall 2023

### Languages

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Turkish (Native)	Arabic (Native)
English (Fluent)	German (Intermediate)
Russian (Intermediate)	

### References

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Prof. Hervé Moulin	University of Glasgow	herve.moulin@glasgow.ac.uk	+44 0 141 330 3993
Prof. Anna Bogomolnaia	University of Glasgow	anna.bogomolnaia@glasgow.ac.uk	+44 0 141 330 2565
Prof. Simon Grant	The University of Queensland	simongrant@uq.edu.au	+61 7 336 56559
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