

Murat M. Tunc

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ACADEMIC POSITIONS

2020– **Assistant Professor (Tenure Track)**
Department of Management
Tilburg School of Economics and Management
Tilburg University, Netherlands

EDUCATION

2015–2020 **Jindal School of Management, University of Texas at Dallas**
Ph.D. in Management Science (Major: Information Systems) [[Dissertation](#)]
Committee Chairs: [Srinivasan Raghunathan](#), [Hüseyin Çavuşoğlu](#)

2013–2015 **Sabancı University**, Istanbul, Turkey
M.Sc. in Industrial Engineering [[Thesis](#)]

2008–2013 **Sabancı University**, Istanbul, Turkey
B.S. in Industrial Engineering

RESEARCH INTERESTS

Topics: Online Platform's Information Strategy, Information Asymmetry in Peer-to-Peer Markets, Reward Mechanisms in Blockchain Projects

Methods: Game Theory, Econometrics, Machine Learning, Online Experiments

Applications: FinTech, Online Marketplaces, Platform Strategy, Sharing Economy

JOURNAL PUBLICATIONS

1. [Online Product Reviews: Is a Finer-Grained Rating Scheme Superior to a Coarser One?](#)
Murat M. Tunc, Hüseyin Çavuşoğlu, Srinivasan Raghunathan
MIS Quarterly, 45(4), pp. 2193-2234. 2021
2. [New Knowledge in Strategic Management through Visually Mining Semantic Networks](#)
Gürdal Ertek, Gül Tokdemir, Mete Sevinç, Murat M. Tunc
Information Systems Frontiers, 19(1), pp. 165-185. 2017

WORKING PAPERS

3. [Two-sided Adverse Selection and Bilateral Reviews in Sharing Economy](#)
Murat M. Tunc, Hüseyin Çavuşoğlu, Srinivasan Raghunathan
Working Paper. Manuscript available on SSRN
4. Impact of Resale Royalty on Sale Prices and Market Liquidity in the NFT Marketplace
Murat M. Tunc, Thomas van den Heuvel, Hasan Çavuşoğlu, Zhiqiang (Eric) Zheng
Working Paper. Extended abstract available by request
5. Giving Back to the Community: Analysis of Reciprocity among Open Source Software Developers
Poonacha Medappa, Murat M. Tunc
Work-in-Progress
6. An Investigation of Enabling Social Media on Omnichannel Sales Performance: Evidence from WeChat Mini-Program
Hui Zhu, Carol Ou, Lanhua Li, Murat M. Tunc, Chong Zhang
Work-in-Progress

INVITED SEMINARS

- | | |
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| 2022 | Erasmus University, Rotterdam School of Management |
| 2020 | Hong Kong University of Science and Technology |
| 2020 | London School of Economics |
| 2020 | Johns Hopkins University, Carey Business School |
| 2020 | Western University, Ivey Business School |
| 2019 | Tilburg University, Tilburg School of Economics and Management |
| 2019 | Koç University, Graduate School of Business |

CONFERENCE PRESENTATIONS & PROCEEDINGS

1. [Impact of Resale Royalty on Primary and Secondary Sale Prices in the Non-Fungible Token Marketplace](#)
Murat M. Tunc, Thomas van den Heuvel, Hasan Çavuşoğlu, Zhiqiang (Eric) Zheng
The 32nd Workshop on Information Systems and Economics (WISE), Austin, TX, December 16-17, 2021
2. [Impact of Resale Royalty on Primary and Secondary Sale Prices in the Non-Fungible Token Marketplace](#)
Murat M. Tunc, Thomas van den Heuvel, Hasan Çavuşoğlu, Zhiqiang (Eric) Zheng
13th Annual Conference on Information Systems & Technology (CIST), Newport Beach, CA, October 23-24, 2021
3. [Two-sided Adverse Selection and Bilateral Reviews in Sharing Economy](#)
Murat M. Tunc, Hüseyin Çavuşoğlu, Srinivasan Raghunathan

- Proceedings of the 40th International Conference on Information Systems (ICIS)*,
December 15-18, Munich, Germany, 2019
4. [Two-sided Adverse Selection and Bilateral Reviews in Sharing Economy](#)
Murat M. Tunç, Hüseyin Çavuşoğlu, Srinivasan Raghunathan
INFORMS Annual Meeting, Seattle, WA, October 20-23, 2019
 5. [Double-sided Adverse Selection and Bilateral Reviews in Sharing Economy](#)
Murat M. Tunç, Hüseyin Çavuşoğlu, Srinivasan Raghunathan
INFORMS 10th Annual Conference on Information Systems & Technology (CIST),
Phoenix, AZ, November 3-4, 2018
 6. [Double-sided Adverse Selection and Bilateral Reviews in Sharing Economy](#)
Murat M. Tunç, Hüseyin Çavuşoğlu, Srinivasan Raghunathan
29th Workshop on Information Systems and Economics (WISE), San Francisco, CA,
December 17–18, 2018
 7. [Single-dimensional versus Multi-dimensional Product Ratings in Online Marketplaces](#)
Murat M. Tunç, Hüseyin Çavuşoğlu, Srinivasan Raghunathan
Platform Strategy Research Symposium, Boston, MA, July 18, 2018
 8. [Single-dimensional versus Multi-dimensional Product Ratings in Online Marketplaces for Experience Goods](#)
Murat M. Tunç, Hüseyin Çavuşoğlu, Srinivasan Raghunathan
Proceedings of the 38th International Conference on Information Systems (ICIS),
Seoul, South Korea. December 10-13, 2017
 9. [Association Analysis of Supply Chain Risk and Company Sales](#)
Murat M. Tunç, Alexandru Valcov, Allan N. Zhang, Wenjing Yan, Rong Wen
Proceedings of IEEE International Conference on Big Data, pp. 3268-3277, Boston,
MA, December 11-14, 2017
 10. [Data Mining of Project Management Data: An Analysis of Applied Research Studies](#)
Gürdal Ertek, Murat M. Tunç, Allan N. Zhang, Ömer Tanrikulu, Sobhan Asian
Proceedings of the ACM International Conference on Information Technology, pp.
35-41, Singapore, December 27-29, 2017
 11. [Encapsulation and Representing the Knowledge on the Evolution of an Engineering System](#)
Gürdal Ertek, Ahmetcan Erdoğan, Volkan Patoğlu, Murat M. Tunç, Ceysu Çitak, Tuğçe Vanlı
*Proceedings of the ASME International Design Engineering Technical Conferences
and Computers and Information in Engineering Conference, IDETC/CIE*, Chicago,
IL, Aug 12-15, 2012
 12. [Insights into the Efficiencies of On-shore Wind Turbines: A Data-centric Analysis](#)
Gürdal Ertek, Murat M. Tunç, Ece Kurtaraner, Doğançan Kebude
*International Symposium on IEEE Innovations in Intelligent Systems and Applications
(INISTA)*, pp. 1-7, Trabzon, Turkey, July 2-4, 2012

BOOK CHAPTERS

1. [Re-Mining Association Mining Results through Visualization, Data Envelopment Analysis and Decision Trees](#)
Gürdal Ertek, Murat M. Tunç
Computational Intelligence Applications in Industrial Engineering, Ed: C. Kahraman,
pp. 605-626, Springer, 2012

TEACHING

Tilburg University

1. Identification Strategies in Behavioral Research
PhD level course. 1 lecture on how researchers establish causality
Instructor. Fall 2021. Enrollment - 4.
2. Causal Inference Methods and Applications
Master level course. 1 lecture on methodologies for causal inference in IS research
Instructor. Spring 2020, Fall 2021. Enrollment - 88, 120.
3. Business Analytics and Emerging Trends
Master level course. 3 lectures on Blockchain, IoT and Social Network Analysis
Co-Instructor. Fall 2020, 2021. Enrollment - 243, 204.
4. Introduction to Programming in Python
Undergraduate course. 4 lectures on fundamental concepts of programming
Module Instructor. Fall 2020, 2021. Enrollment - 222, 180.
5. Data Analysis using Pandas
Undergraduate course. 2 lectures on higher-dimensional data analytics on Pandas
Module Instructor. Fall 2021. Enrollment - 180.

University of Texas at Dallas

6. Introduction to Programming
Undergraduate course. Fundamental concepts of object-oriented programming in Java
Course Instructor. Spring 2019. Enrollment - 55. [Evaluation - 4.92 / 5.00](#)¹
7. Introduction to Programming
Course Instructor. Fall 2019. Enrollment - 57. [Evaluation - 4.85 / 5.00](#)

Sabanci University

8. Simulation
Undergraduate course. Recitation Instructor. Spring 2015
9. Production and Service Systems Operations
Undergraduate course. Recitation Instructor. Fall 2013. Fall 2014
10. Quality Planning & Control
Undergraduate course. Recitation Instructor. Fall 2012

SKILLS

Programming: Python, R, Stata, SAS, SQL, C++, Java, MATLAB, Mathematica, CPLEX, Arena, NetLogo, Minitab, Weka, HTML, L^AT_EX

Data Analytics: Pandas, NumPy, Selenium, Matplotlib, Plotly

Technical: Data Scraping, Cleaning, Wrangling, Mining and Visualization, Machine Learning

AD-HOC REVIEWER

Journals

MIS Quarterly, 2021 - Present

Information Systems Research, 2020 - Present

Manufacturing & Service Operations Management (MSOM), 2020 - Present

¹Note: Evaluation is based on the question “Overall, this instructor was excellent”.

Production and Operations Management (POM), 2022 - Present

Conferences

Academy of Management (AOM) Annual Meeting, 2022 - Present

INFORMS Conference on Information Systems & Technology (CIST), 2019 - Present

International Conference on Information Systems (ICIS), 2018 - Present

SERVICE

Associate Editor, Blockchain, DLT, and Fintech track, ICIS 2022

Discussant, WISE 2021

Hiring Committee Member, Tilburg School of Economics and Management, 2021

VISITING POSITIONS

Research Scientist

Summer 2012 (June - Sep)

Singapore Institute of Manufacturing Technology, Singapore

Planning and Operations Management

Advisor: [Allan N. Zhang](#)

Research Scientist

Summer 2011 (June - Sep)

Eindhoven University of Technology, Netherlands

Department of Industrial Engineering and Innovation Sciences

Advisor: [Tom van Woensel](#)

AWARDS & GRANTS

Three Minute Dissertation Competition

- The University of Texas at Dallas, JSOM Three Minute Dissertation Competition, 2nd Place, 2020

Fellowships & Scholarships

- The University of Texas at Dallas, Jindal School of Management PhD Fellowship, 2017
- The University of Texas at Dallas, Jindal School of Management PhD Scholarship, (Full tuition fee waiver + Stipend for 5 years), 2015
- TÜBİTAK (Scientific and Technological Research Council of Turkey) Graduate Fellowship (Stipend for 2 years), 2013
- Sabancı University Graduate Scholarship (Full tuition fee waiver + Stipend for 2 years), 2013
- Sabancı University Honor Scholarship (Full tuition fee waiver + Stipend for 5 years), 2008

Research Internship Awards

- Singapore International Pre-Graduate Award, by Singapore Agency for Science, Technology and Research (Stipend for 3 months + Airfare allowance), 2012
- Erasmus Internship Mobility Grant (Stipend for 3 months), 2011

Teaching Awards

- Sabancı University Faculty of Engineering and Natural Sciences Best Teaching Assistant Award, 2014

Case Competitions

- Winner of Nielsen Business Case Competition, 2013

Nationwide Exam Rankings

- Ranked 43rd among ~300,000 candidates in the Turkish Graduate Record Exam (ALES), 2013
- Ranked in top 0.1 percentile among ~1.5 million candidates in the Turkish University Entrance Exam (ÖSS), 2008

INDUSTRY COLLABORATIONS

Perzonalization

2018 - 2020

Istanbul, Turkey

Designing a randomized field experiment for personalized messages in product recommendations

PERSONAL

Language: Fluent in English and Turkish, Basic (A1) in Dutch

Interests: Playing Guitar, Basketball, Hiking, Fitness, NFL, Indie Rock, Nintendo Switch Games, Town of Salem

REFERENCES

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