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ACADEMIC POSITIONS

Ozyegin University, Istanbul, Turkey 2021 - Present
Assistant Professor of Operations Management

ESMT Berlin, Germany 2017 - 2021
Postdoctoral Fellow

EDUCATION

Koç University, Istanbul, Turkey 2011-2017
PhD in Industrial Engineering & Operations Management
Dissertation Title: Inventory Management, Pricing and Risk Hedging in the Presence of Price Fluctuations
Advisors: Süleyman Özekici, Fikri Karaesmen

Bilkent University, Ankara, Turkey 2007-2011
B.S. in Industrial Engineering

RESEARCH INTERESTS

Stochastic modeling, queueing systems, inventory management, rational inattention, operations & finance interface

PUBLICATIONS

Human and Machine: The Impact of Machine Input on Decision-Making Under Cognitive Limitations (with Tamer Boyacı and Francis de Véricourt). *Management Science (Forthcoming)*.

Queueing Systems with Rationally Inattentive Customers (with Tamer Boyacı). *Manufacturing & Service Operations Management (Forthcoming)*.

A Newsvendor Problem with Markup Pricing in the Presence of Within-period Price Fluctuations (with Fikri Karaesmen and Süleyman Özekici). *European Journal of Operational Research (Forthcoming)*.

An Inventory Model where Customer Demand is Dependent on a Continuous Stochastic Price Process (with Fikri Karaesmen and Süleyman Özekici). *International Journal of Production and Economics*, 2019, 212:139-152.

Minimum-Variance Hedging for Managing Risks in Inventory Models with Price Fluctuations (with Fikri Karaesmen and Süleyman Özekici). *Foundations and Trends in Technology, Information and Operations Management*: Vol. 11: No. 1-2, pp 107-123.

WORKING PAPERS

Risk Management by Financial Hedging in Inventory Systems with Stochastic Price Processes (with Fikri Karaesmen and Süleyman Özekici). *Under review in European Journal of Operational Research*.

CONFERENCE PROCEEDINGS

Minimum Variance Hedging for Managing Price Risks (with Fikri Karaesmen and Süleyman Özekici). *Conference on Stochastic Models of Manufacturing and Service Operations (SMMSO), 2017.*

Joint Inventory Control and Markup Pricing in the Presence of Price Fluctuations (with Fikri Karaesmen and Süleyman Özekici). *Simulation in Production and Logistics 2015.* Stuttgart: Fraunhofer Verlag. Markus Rabe, Uwe Clausen (eds.)

TEACHING EXPERIENCE

Ozyegin University, Istanbul, Turkey

Instructor

- OPER202 Operations Management *Spring, Summer 2022*

ESMT Berlin, Germany

Instructor

- Value Chain Analytics (MBA) *2020, 2021*
- Value Chain Analytics (Master's in Management) *2020*

Partial Instructor & Teaching Assistant

- Operations Management (PTMBA, Blended Learning) *2021*
- Operations Management for Digital Business (MBA, Blended Learning) *2019*
- Value Chain Analytics (Master's in Management) *2018, 2019*

Koç University, Istanbul, Turkey

Instructor

- ENGR 200 Probability and Random Variables for Engineers, *Summer 2017*

Teaching Assistant

- INDR 513 Advanced Stochastic Processes, *Spring 2013, 2014, 2015, 2016, 2017*
- INDR 343 Stochastic Models, *Fall 2011, 2012, 2013, 2015, 2016*
- INDR 564 Dynamic Programming, *Spring 2016*
- INDR 578 Advanced Supply Chain Models, *Spring 2015*
- INDR 503 Stochastic Models and their Applications, *Fall 2014*
- INDR 202 Engineering Economics, *Spring 2012*

PRESENTATIONS

Queueing Systems with Rationally Inattentive Customers

- Informs Annual Meeting in Seattle, WA *2019*
- Euro Conference in Dublin, Ireland *2019*
- Informs Annual Meeting in Pheonix, AZ *2018*
- Euro Conference in Valencia, Spain *2018*
- MSOM Conference in Dallas, TX *2018*

Risk Management by Financial Hedging in Inventory Systems with Stochastic Price Processes.

- Doctoral Colloquium on OR and IE in Istanbul, Turkey 2016
- Applied Probability Society Conference in Istanbul, Turkey 2015

An Inventory Model where Customer Demand is Modulated by a Stochastic Price Process

- Euro Conference in Glasgow, UK 2015
- Doctoral Colloquium on OR and IE in Ankara, Turkey 2014
- Euro Working Group on Stochastic Modeling (Stochmod) in Mannheim, Germany 2014
- Euro Conference in Rome, Italy 2013

Markup Pricing in the Presence of Continuous Price Fluctuations

- ASIM Conference on Simulation in Production and Logistics in Dortmund, Germany 2015
- Informs Revenue Management and Pricing Conference, Istanbul, Turkey 2014

INDUSTRY EXPERIENCE

Selco Consulting, Istanbul, Turkey 2016-2017

Supply Chain Consultant

- Forecasting & Replenishment Project, CarrefourSA - Slimstock 2016- 2017
 - Integration of Slim4 (by Slimstock) into CarrefourSA's (a major supermarket retail chain with 600 stores) existing ERP system to optimize and automate the replenishment/ordering processes
- Supply Chain Training, EVYAP 2016-2017
 - Design and delivery of a firm-customized theoretical/practical supply chain training

CERTIFICATES & AWARDS

PhD Summer Academy, Zaragoza Logistics Center, Zaragoza, Spain 2013

Full scholarship with full tuition waiver and stipend, *Koç University, Bilkent University*

High honor student, *Bilkent University*

SKILLS

Technical: Matlab, Python, Julia, Java, Mathematica, SQL, Latex, Cplex, Arena

Language: English, Turkish (Native)

Last Update : Sept. 2022