

FARIBA MAMAGHANI

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A.B Freeman Business School, Tulane University
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APPOINTMENTS

Assistant Professor (Tenure Track), MBA Core Faculty of Management Science July 2023
A.B. Freeman School of Business, Tulane University

Visiting Assistant Professor, MBA Core Faculty of Management Science 2021-2023
A.B. Freeman School of Business, Tulane University

EDUCATION

The University of Texas at Dallas, Richardson, TX 2015-2021
Ph.D. in Operations Management (Scholar with Recognition)

The University of Texas at Dallas, Richardson, TX 2018-2021
M.Sc. in Business Analytics

Sharif University of Technology, Tehran, Iran 2011-2013
M.Sc. in Industrial Engineering

Sharif University of Technology, Tehran, Iran 2007-2011
B.Sc. in Industrial Engineering

VISITING EXPERIENCE

PhD Summer Academy: MIT-Zaragoza Logistics Center, Spain. 2017
Focus: Empirical Operations, Sustainability in Operations Management, Theory Research, Inventory Management

AREAS OF INTEREST

Research: Energy and the Environment, Climate Change, Pricing and Revenue Management, Sustainability and Public Policy

Methodologies: Analytical (Optimization, Game Theory), Empirical (Econometrics, Machine Learning)

RESEARCH PAPERS

- Harvesting Solar Power Foments Prices in a Vicious Cycle: Breaking the cycle with price mechanisms. With Metin Cakanyildirim; *Under revision (Minor Revision), Operations Research.*
- Electricity Pricing with Limited Consumer Response. With Saed Alizamir and Shouqiang Wang; *In the preparation to be submitted to MSOM.*
- Microgrid Capacity Investment: Price Dependent and Independent Demand Cases and Their Comparison. With Metin Cakanyildirim; *In the preparation to be submitted to Management Science.*

TEACHING EXPERIENCE

Instructor, Tulane University

- **Business Statistics & Modeling, Core MBA course** 2022
 - Core MBA course with 100 MBA, PMBA and MMA students

- Developed teaching materials (lectures slides, class activities, assignments, video solutions, exams)
- **Introduction to Business Analytic** 2021-2022
- Enrollment:190, Instructor evaluation (one section-Spring 22): 4.3/5.00 (Mean), 5/5.00 (Median)

Instructor, The University of Texas at Dallas

- **Operations Management, OM Core** 2019
 - Enrollment: 41, Instructor evaluation: 4.75/5.00
- **Managerial Methods in Decision Making Under Uncertainty, BS Core** 2019-2021
 - Enrollment: 59, Instructor evaluation: 4.47/5.00
 - Enrollment: 57, Instructor evaluation: 4.44/5.00
 - Enrollment: 70, Instructor evaluation: 4.5/5.00

Teaching Assistant, The University of Texas at Dallas 2015-2020

Managing Energy, Global Supply Chain Management, Statistics and Data Analysis, Logistics and Inventory Management, Global Logistics and Transportation, Quantitative Introduction to Risk and Uncertainty in Business, Flexible Manufacturing Strategies, Operations Management

Teaching Assistant, Sharif University of Technology 2010-2013

Pricing and Revenue Management, Operations Research I & II, ERP, Marketing Fundamental, Control Project

INDUSTRY EXPERIENCE

- Senior Project Control Manager**, Mobile Communication of Iran, Tehran, Iran. 2014-2015
- Product and Marketing Manager**, Print and Design Home Company, Tehran, Iran. 2011-2012
- Quality Expert Control Intern**, Kayson Company, Tehran, Iran. 2011

PRESENTATIONS AND INVITED TALKS

Microgrid Capacity Investment: Price Dependent and Independent Demand Cases and Their Comparison

- POMS Annual Meeting, 2022, Online.
- INFORMS Annual Meeting, 2021, Anaheim, CA.

Harvesting Solar Power Foments Prices in a Vicious Cycle: Breaking the cycle with price mechanisms

- INFORMS Annual Meeting, 2022, Indianapolis.
- POMS Annual Meeting, 2022, Online.
- DSI 52nd Annual Conference, 2021.
- MSOM Conference, 2021, Indiana University.
- POMS Annual Conference, 2021, Online.
- London Business School, 2021, London, UK.
- INFORMS Annual Meeting, 2020, Virtual.
- INFORMS Annual Meeting, 2019, Seattle, WA.
- POMS Annual Conference, 2019, Washington, D.C.
- MSOM Annual Conference, 2019, National University of Singapore, Singapore.
- Commodity & Energy Markets Association Annual Meeting, 2019, Tepper School of Business, Carnegie Mellon University, Pittsburgh, PA.

Electricity Pricing with Limited Consumer Response

- INFORMS Annual Meeting, 2019, Seattle, WA.
- MSOM Annual Conference, 2018, Dallas, Texas.
- POMS Annual Meeting, 2019, Washington, D.C.
- POMS Annual Meeting, 2018, Houston, Texas.
- Sustainable Operations Workshop Supports Early-Career Scholars, 2018, Georgia Tech University, Atlanta, Georgia.

HONORS AND AWARDS

- JSOM Dean's Excellence Scholarship, The University of Texas at Dallas 2020-2021
- Betty and Gifford Johnson Travel award, The University of Texas at Dallas 2020
- Naveen Jindal School of Management Scholarship, The University of Texas at Dallas 2015-2020
- PhD Summer Academy-MIT-Zaragoza Scholarship, University of Texas at Dallas 2017
- Accepted by Organization of Exceptional Talents to M.Sc program at Sharif University 2011
- Ranked in top %5 among 80 outstanding Industrial Engineering Undergrad Students at Sharif University of Technology 2011
- Ranked 25 out of 400k+ participants in the Universities National Entrance exam, Iran 2007

Ph.D. LEVEL COURSEWORK

- **Operations Management:** Behavioral Operations Management, Pricing Management
- **Operations Research:** Deterministic Models in Operations Research, Stochastic Models in Operations Research, Optimal Control Theory and Applications, Stochastic Dynamic Programming and Application in Finance
- **Statistics:** Probability and Stochastic Processes, Statistical Inference, Applied Machine Learning.
- **Economics:** Game Theory, Advanced Managerial Economics, Econometrics

COMPUTER SKILLS

- R, Python, Mathematica, STATA, Matlab, Latex

PROFESSIONAL EXPERIENCE/SERVICE

- **Committee Member:** MBA Data Workgroup, Tulane University 2022-present
- **Session Chair:** Annual INFORMS, POMS, DSI Meetings 2020-2023
- **Discussant:**
 - 2021 DSI Doctoral Research Showcase 2021
 - Commodity & Energy Markets Association Annual Conference (CMU) 2019
 - Annual Trans Atlantic Doctoral Conference (LBS) 2019
- **Community Member:** INFORMS, ISA, MSOM, and POMS 2015-Present

VOLUNTEER EXPERIENCE

- **Volunteer,** Women, Trans, and Non-Binary Faculty and Students 2022-present
- **Volunteer,** The child foundation USA 2020-present
- **Marketing Officer,** The Product Base Club-University of Texas at Dallas 2020
- **Volunteer,** Mahak, The International Society for Children with Cancer 2013-present
- **President,** Student Organization-Sharif University of Technology 2009-2010

REFERENCES

Metin Cakanyildirim
Professor of Operations Management
The University of Texas at Dallas, Richardson, TX
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