

# AMIR ANASTASIOS ALWAN

## Curriculum Vitae

(Last updated on December 22, 2025)

### Contact Information

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### Employment

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**University of Wisconsin–Milwaukee Lubar College of Business**, Milwaukee, WI, USA 2024–Present  
Assistant Professor of Supply Chain/Operations Management & Business Statistics

### Education

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**The University of Chicago Booth School of Business**, Chicago, IL, USA 2024  
Doctor of Philosophy (Ph.D.), Management Science & Operations Management  
· Dissertation Title: “Essays on Stochastic Models for Ridesharing and Online Systems”  
· Support Area: Economics

**The University of Chicago Booth School of Business**, Chicago, IL, USA 2023  
Master of Business Administration (MBA)

**University of Wisconsin–Madison**, Madison, WI, USA 2017  
Bachelor of Science (B.S.), Mathematics

**University of Wisconsin–Madison**, Madison, WI, USA 2017  
Bachelor of Science (B.S.), Statistics

### Research Interests

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**Methodology:** Applied Probability; Stochastic Modeling and Control; Queueing Theory; Optimization Theory; Approximate Dynamic Programming; Machine Learning

**Applications:** Inventory Management; Production Scheduling; Supply Chain Management; Dynamic Pricing and Revenue Management; Human–AI Interaction

### Journal Publications

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Alwan, A. A., Ata, B., & Zhou, Y. (2024). A queueing model of dynamic pricing and dispatch control for ride-hailing systems incorporating travel times. *Queueing Systems*, **106**(1–2), 1–66. ([link](#))

Alwan, A. A., Han, Z., Tao, Z., Lin, J., & Zlatoš, A. (2019). Multidimensional transition fronts for Fisher-KPP reactions. *Nonlinearity*, **32**(3), 927–941. ([link](#))

Rodgers, M. L., Tretbar, U. S., Dehaven, A. C., Alwan, A. A., Lou, G., Mast, H. M., & Hoskins, A. A. (2016). Conformational dynamics of stem II of the U2 snRNA. *RNA*, **22**(2), 225–236. ([link](#))

### Working Papers

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Alwan, A. A. & Ata, B. (2025). Heavy traffic diffusion limit for a closed queueing network with single-server and infinite-server stations. Minor revision at *Operations Research Letters*. ([link](#))

Alwan, A. A. & Barjesteh, N. (2025). Dynamic pricing, scheduling, and order rejection of a multiclass omnichannel hybrid production system. Submitted to *Management Science*. ([link](#))

Shi, Y., Alwan, A. A., Yue, X., & Liu, M. (2025). Information sharing in supply chains via digital freight platforms under freight rejection and production diseconomies. Reject and resubmit at *Production and Operations Management*.

## Current Projects

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Alwan, A. A., Caldentey, R. A., Shi, T., & Ward, A. R. Diffusion approximations for online content moderation systems.

Perera, S., Alwan, A. A., Gupta, V., & Long, H. Data-driven condition-based maintenance for smart systems.

Akturk, T. D., Alwan, A. A., & Kouvelis, P. Spare part inventory control for gas turbine blades.

## Doctoral Thesis

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Alwan, A. A. (2024). Essays on Stochastic Models for Ridesharing and Online Systems. The University of Chicago, PhD dissertation. ProQuest Dissertations & Theses. ([link](#))

## Invited Seminars & Conference Presentations

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INFORMS Annual Meeting, Atlanta, GA, USA	2025
35th Annual POMS Conference, Atlanta, GA, USA	2025
INFORMS Annual Meeting, Seattle, WA, USA	2024
Washington University in St. Louis, Olin Business School (Boeing Center for Supply Chain Innovation)	2024
University of Wisconsin–Milwaukee, Lubar College of Business	2024
University of Wisconsin–Milwaukee, Department of Mathematical Sciences	2024
INFORMS Annual Meeting, Phoenix, AZ, USA	2023
INFORMS Annual Meeting, Anaheim, CA, USA	2021
Virtual INFORMS Annual Meeting	2020
INFORMS Annual Meeting, Seattle, WA, USA	2019

## Teaching Experience

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### Instructor:

- **BUS ADM 478: Supply Chain Analytics (Undergraduate)**  
University of Wisconsin–Milwaukee Lubar College of Business, Fall 2024, Spring 2025 (Online and In-Person), Fall 2025, Spring 2026 (Online and In-Person), Fall 2026 (Online), Spring 2027  
Avg. Teaching Evaluation (In-Person): 4.79/5 ( $n = 29$ ), Avg. Teaching Evaluation (Online): 4.75/5 ( $n = 8$ )
- **BUS MGMT 709: Applied Statistical Modeling for Managers (MBA Program)**  
University of Wisconsin–Milwaukee Lubar College of Business, Fall 2026, Spring 2027
- **BUS ADM 754: Statistical Analysis (Ph.D. Program)**  
University of Wisconsin–Milwaukee Lubar College of Business, Fall 2024, Fall 2025  
Avg. Teaching Evaluation: 4.17/5 ( $n = 12$ )

### Teaching Assistant:

- **BUSN 40101: Supply Chain Strategy and Practice (Full-Time & Evening MBA Program)**  
The University of Chicago Booth School of Business, Winter 2024
- **BUSN 36905: Approximate Dynamic Programming (Ph.D. Program)**  
The University of Chicago Booth School of Business, Spring 2022
- **BUSN 40110: Managing Service Operations (Full-Time & Evening MBA Program)**  
The University of Chicago Booth School of Business, Winter 2020, Winter 2021

- **MATH 629: Introduction to Measure and Integration (Advanced Undergraduate & Graduate)**  
University of Wisconsin–Madison, Department of Mathematics, Spring 2016

## Awards & Honors

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- Doctoral Fellowship, The University of Chicago Booth School of Business 2017–2023
- Oscar Mayer Fellowship, The University of Chicago Booth School of Business 2018
- Phi Beta Kappa Society (PBK) 2017
- Violet Higgitt Frank Scholarship, Mathematics Department at University of Wisconsin–Madison 2015
- Math REU Research Grant, Mathematics Department at University of Wisconsin–Madison 2015
- Distinguished Scholar Award, Big Ten Conference 2013
- 4.0 Recognition Award, Athletic Department at University of Wisconsin–Madison 2013
- Wisconsin Academic Excellence Scholarship (AES) 2012–2016

## Skills

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**Programming:** Java, Python, C/C++, R, AMPL

**Markup & Typesetting:** HTML, Markdown,  $\text{T}_{\text{E}}\text{X}/\text{L}^{\text{A}}\text{T}_{\text{E}}\text{X}$

**Software:** Microsoft Office (Excel, Word, PowerPoint)

**Languages:** English (native), Greek (conversational), Spanish (conversational)

## Professional Activities & Service

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**Professional Memberships:** Institute for Operations Research and the Management Sciences (INFORMS); INFORMS Applied Probability Society (APS); INFORMS Manufacturing and Service Operations Management (MSOM) Society; Production and Operations Management Society (POMS)

**Affiliations and Committees:** UW–Milwaukee Data Science Faculty Oversight Committee (2025–Present); Northwestern Mutual Data Science Institute Affiliated Faculty Member (2025–Present)

**University Volunteer Service:** Tutor for the Chicago Booth MBA Program (2018–2024); Co-Organizer for the Operations Management Brown Bag Seminar at Chicago Booth (2019–2020); Lunch Co-Organizer for the Operations Management Workshop at Chicago Booth (2018–2020); Lubar Fall Fest Volunteer (2024); Lubar Fall Welcome Events Volunteer (2025)

**Journal & Conference Reviewer:** Ad-hoc reviewer for *Naval Research Logistics*, *Omega*, INFORMS MSOM Conference (2025)

**Conference Session Chair:** 2024 INFORMS Annual Meeting (MSOM Service Operations Track); 2025 INFORMS Annual Meeting (APS Cluster)

## Background & Interests

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**Citizenship:** United States of America, Greece (pending)

**Athletic:** Wisconsin Badgers Men’s NCAA Division I Cross Country Team Member (2012, 2013); Wisconsin Badgers Men’s NCAA Division I Track & Field Team Member (2013, 2014)

**Hobbies and Interests:** Pure Mathematics; Greek Language and Culture; Traveling; Wisconsin Sports Fan; Bowhunting; Archery; Fly fishing; Spearfishing; Freediving; Soccer; Track and Field; Functional Strength Training