

Amir Anastasios Alwan

Curriculum Vitae

ASSISTANT PROFESSOR OF SUPPLY CHAIN/OPERATIONS MANAGEMENT & BUSINESS STATISTICS

LUBAR COLLEGE OF BUSINESS, UNIVERSITY OF WISCONSIN–MILWAUKEE

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ACADEMIC EMPLOYMENT

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

EDUCATION

The University of Chicago Booth School of Business, Chicago, IL, USA 2024
Doctor of Philosophy (Ph.D.), Management Science & Operations Management

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

Methodology: Applied Probability; Stochastic Modeling and Control; Queueing Theory; Optimization Theory

Applications: Inventory Management; Service Operations; Dynamic Pricing and Revenue Management

JOURNAL PUBLICATIONS

1. 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](#))
2. 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](#))

WORKING PAPERS

3. Alwan, A. A. (2025). Diffusion Approximations of Closed Queueing Networks with Infinite-Server Stations.

CURRENT PROJECTS

4. Alwan, A. A., Caldentey, R. A., Shi, T., & Ward, A. R. Diffusion Approximations for Online Content Moderation Systems.
5. Perera, S., Alwan, A. A., Gupta, V., & Long, H. Data-Driven Condition-Based Maintenance for Smart Systems.
6. Akturk, T. D., Alwan, A. A., & Kouvelis, P. Spare Part Inventory Control for Gas Turbine Blades.

OTHER PUBLICATIONS

7. Alwan, A. A. (2024). Essays on Stochastic Models for Ridesharing and Online Systems. The University of Chicago, PhD dissertation. ProQuest Dissertations & Theses. ([link](#))
8. 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](#))

INVITED TALKS & CONFERENCE PRESENTATIONS

- **2025:** 35th Annual POMS Conference (Atlanta, GA)
- **2024:** 2024 INFORMS Annual Meeting (Seattle, WA); WashU Olin (Boeing Center for Supply Chain Innovation); UW–Milwaukee Lubar College of Business; UW–Milwaukee Department of Mathematical Sciences
- **2023:** 2023 INFORMS Annual Meeting (Phoenix, AZ)
- **2021:** 2021 INFORMS Annual Meeting (Anaheim, CA)
- **2020:** 2020 INFORMS Annual Meeting (Virtual)
- **2019:** 2019 INFORMS Annual Meeting (Seattle, WA)

TEACHING EXPERIENCE

Instructor, University of Wisconsin–Milwaukee Lubar College of Business:

- BUS ADM 478: Supply Chain Analytics (Undergraduate) – Fall 2024, Spring 2025, Fall 2025
- BUS ADM 754: Statistical Analysis (Graduate) – Fall 2024, Fall 2025

Teaching Assistant, The University of Chicago Booth School of Business:

- BUSN 40101: Supply Chain Strategy and Practice (Full-Time/Evening MBA) – Winter 2024
- BUSN 36905: Approximate Dynamic Programming (Ph.D. Program) – Spring 2022
- BUSN 40110: Managing Service Operations (Full-Time/Evening MBA) – Winter 2020, Winter 2021

Teaching Assistant, University of Wisconsin–Madison, Department of Mathematics:

- MATH 629: Introduction to Measure and Integration (Advanced Undergraduate/Graduate) – 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

Programming: Java, Python, MATLAB, C/C++, R

Markup: HTML, Markdown, \TeX / \LaTeX

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

PROFESSIONAL ACTIVITIES AND SERVICE

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

Conferences: Session Chair at the 2024 INFORMS Annual Meeting (MSOM Service Operations Track), Session Chair at the 2025 INFORMS Annual Meeting (APS Cluster)

Editorial: Reviewer for 2025 INFORMS MSOM Conference

BACKGROUND AND INTERESTS

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
• WIAA High School Track & Field State Champion, 4 x 800 Meter Relay	2012
• Brookfield Central High School, Varsity Track & Field Team Member	2012
• Brookfield Central High School, Varsity Soccer Team Member and Co-Captain	2008–2011

Hobbies and Interests: Pure Mathematics; Greek Language and Culture; Bowhunting; Fly fishing and Spearfishing; Wisconsin Sports Teams (Green Bay Packers, Milwaukee Bucks); Soccer; Running; Functional Strength Training