

AMIR ANASTASIOS ALWAN

Curriculum Vitae

(Last updated on March 7, 2026)

Contact Information

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Employment

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

Education

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

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

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

Research Interests

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

Alwan, A. A., & Ata, B. (2026). Heavy traffic diffusion limit for a closed queueing network with single-server and infinite-server stations. *Operations Research Letters*, **67**, 107439. [[Journal Link](#)] [[arXiv:2509.13748](#)]

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. [[Journal Link](#)] [[arXiv:2302.02265](#)]

Alwan, A. A., Han, Z., Tao, Z., Lin, J., & Zlatoš, A. (2019). Multidimensional transition fronts for Fisher-KPP reactions. *Nonlinearity*, **32**(3), 927–941. [[Journal Link](#)] [[arXiv:1610.02678](#)]

Working Papers

Alwan, A. A., & Barjesteh, N. (2026). Dynamic pricing, scheduling, and order rejection of a multiclass omnichannel hybrid production system. Under review at *Management Science*. [[SSRN:5293549](#)]

Shi, Y., Ren, H., **Alwan, A. A.**, Yue, X., & Liu, M. (2026). Forecast integration in supply chains under freight rejection. Revise and resubmit at *Production and Operations Management*. [[SSRN:6537845](#)]

Work in Progress

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

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

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

Other Publications and Reports

Alwan, A. A. (2024). Essays on stochastic models for ridesharing and online systems. The University of Chicago, PhD dissertation. ProQuest Dissertations & Theses. [[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. [[Journal Link](#)]

Invited Seminars & Conference Presentations

Conference Presentations:

- 2026 INFORMS Annual Meeting, San Francisco, California, USA, *invited* 2026
- 2026 INFORMS Revenue Management & Pricing Conference, Ann Arbor, Michigan, USA, *invited* 2026
- 2026 INFORMS MSOM SIG Conference (Service SIG), Boston, Massachusetts, USA, *submitted* 2026
- 2025 INFORMS Annual Meeting, Atlanta, Georgia, USA 2025
- 2025 INFORMS MSOM Conference, London, United Kingdom, *invited (presented by coauthor)* 2025
- 35th Annual POMS Conference, Atlanta, Georgia, USA 2025
- 2024 INFORMS Annual Meeting, Seattle, Washington, USA 2024
- 2023 INFORMS Annual Meeting, Phoenix, Arizona, USA 2023
- 2021 INFORMS Annual Meeting, Anaheim, California, USA 2021
- 2020 INFORMS Annual Meeting, Virtual Conference 2020
- 2019 INFORMS Annual Meeting, Seattle, Washington, USA 2019

Invited University Seminars:

- Washington University in St. Louis, Olin Business School, St. Louis, Missouri, USA 2024
- University of Wisconsin–Milwaukee, Lubar College of Business, Milwaukee, Wisconsin, USA 2024
- University of Wisconsin–Milwaukee, Department of Mathematical Sciences, Milwaukee, Wisconsin, USA 2024

Teaching Experience

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
Average Teaching Evaluation (In-Person): 4.79/5 ($n = 29$), Average 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
Average Teaching Evaluation: N/A ($n = 0$)
- **BUS ADM 754: Statistical Analysis (Ph.D. Program)**
University of Wisconsin–Milwaukee Lubar College of Business, Fall 2024, Fall 2025
Average Teaching Evaluation: 4.17/5 ($n = 12$)

Teaching Assistant:

- **BUSN 40101: Supply Chain Strategy and Practice (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 (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

- 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

Professional Activities & Service

Affiliations and Committees:

- UW–Milwaukee Data Science Faculty Oversight Committee 2025–Present
- Northwestern Mutual Data Science Institute Affiliated Faculty Member 2025–Present

Professional Memberships:

- Institute for Operations Research and the Management Sciences (INFORMS) 2018–Present
- INFORMS Applied Probability Society (APS) 2024–Present
- INFORMS Manufacturing and Service Operations Management (MSOM) Society 2025–Present
- Production and Operations Management Society (POMS) 2025–Present

University Volunteer Service:

- Lubar Fall Welcome Events Volunteer (2025)
- Lubar Fall Fest Volunteer (2024)
- Tutor for the Chicago Booth Full-Time and Executive MBA Programs (2018–2024, 2026)
- 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)

Conference and Workshop Organizer:

- Session Co-Chair, 2025 INFORMS Annual Meeting (APS Cluster)
- Session Co-Chair, 2024 INFORMS Annual Meeting (MSOM Service Operations Track)

Ad-Hoc Journal & Conference Reviewer: *Operations Research Letters*; *Naval Research Logistics*; *Omega*; INFORMS MSOM Conference

Skills

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

Markup & Typesetting: HTML, Markdown, T_EX/L^AT_EX

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

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

Background & Interests

Citizenship: United States of America, Greece (pending)

Athletic Experience:

- Wisconsin Badgers Men's NCAA Division I Cross Country (2012–2013)
- Wisconsin Badgers Men's NCAA Division I Track & Field (2013–2014)

Hobbies and Interests: Greek language and culture; traveling; Wisconsin sports fandom; pure mathematics; bowhunting; spearfishing; freediving; soccer; functional strength training; aviculture