

SHANY AZARIA

Phone: +1 (416) 717 5415
azaria.shany@gmail.com
www.shanyazaria.com

1224 Shaw Street
Toronto, Ontario
Canada M6G 3N6

RESEARCH INTEREST

I am mainly interested in leveraging advanced data science methods to investigate the effects of congestion on service systems in the public sphere, with a special interest in court system operations.

ACADEMIC POSITIONS

Postdoctoral Fellow **2023-2025**
Operations Management and Statistics Department, Rotman School of Management, University of Toronto

EDUCATION

PhD	Coller School of Management, Tel Aviv University 2023 Operations Strategy <i>Thesis: "Operations Management in Court Systems – Lessons Learned from the Delay of Justice"</i> <i>Supervisor: Noam Shamir</i>
MBA	Recanati Business School, Tel Aviv University 2010
BA	Berglas School of Economics, Tel Aviv University 2007 Economics

RESEARCH

Publications

- Azaria, S., Ronen, B., & Shamir, N. (2024). Alleviating Court Congestion: The Case of the Jerusalem District Court. *INFORMS Journal on Applied Analytics*, 54(3), 205-296. <https://doi.org/10.1287/inte.2023.0026>
- Azaria, S., Ronen, B., & Shamir, N. (2023). Justice in time: A theory of constraints approach. *Journal of Operations Management*, 69(7), 1202–1208. <https://doi.org/10.1002/joom.1234>
- Azaria, S., Ronen, B., & Shamir, N. (2023). Manufacturing Justice: The Value of Looking at the Legal System through Operations Management Eyes. *Innovations in Management* (Hebrew), 12, 115-126.

Research in Progress

- “Digital Twin for Court Systems – Innovative Decision Support System for Policymakers”, working paper (with Alexander C., Baron O., Krass D., and Senderovich A.)
- “Access to Data Improves Access to Justice: Unpacking Judicial Congestion”, working paper (with Alexander C., Baron O., Krass D., and Senderovich A.)
- “Leveraging Queue-mining for Choosing Interventions to Improve Flow in the Emergency Department”, working paper (with Baron O., Krass D., and Senderovich A.)
- “The Congestion Vortex: Empirical Evidence of the Adverse Effects of Delay on Workload in Court Systems”, under review at *Production and Operations Management* (with Shamir N.)

AWARDS AND HONORS

YW4OR (Young Women for Operations Research) Cohort, EURO WISDOM Forum	2024
Tel Aviv University Provost's Teaching Excellence Award	2023
Theory of Constraints Body of Knowledge "Justice in time: A theory of constraints approach" was added to the TOCICO BOK	2023
Goldratt Foundation New Knowledge Award	2012
Best knowledge development in the Theory of Constraints (TOC) for the presentation "Justice in Time: Applying TOC to Law Courts Systems" (with Ronen, B. and Pass, S.)	

GRANTS AND FELLOWSHIPS

Rotman TD Management Data and Analytics Lab Research Grant "From Docket to Data: Unpacking Judicial Congestion Using Process- and Queue-Mining" (with Alexander C., Baron O., Krass D., and Senderovich A.)	2024
Tel Aviv University President's Fellowship for Women Postdoctoral Scholars	2023-2025
Raya Strauss Center for Family Businesses Research Grant "Identifying the Generic Core Problems in Family Businesses" (with Ronen, B. and Weiss, D.)	2017
Elrov Real Estate Institute Research Grant "The Influence of Real Estate Bonds on the Israeli Real Estate Market" (with Ronen, B. and Lieber, Z.)	2014

TEACHING

Coller School of Management, Tel Aviv University Instructor (Undergraduate, Graduate, and Executive programs) <ul style="list-style-type: none">Statistics (intro and advanced)Practical Models in Operations ResearchLeading the Strategic Change ProcessNew Ventures Creation	2007-2023
SDA-Bocconi School of Management, Milan, Italy Teaching Assistant (Graduate program) <ul style="list-style-type: none">Advanced Methods in Increasing Shareholders' Value	2006-2009

CONFERENCE PRESENTATIONS, SEMINARS, AND WEBINARS

From Docket to Data: Unpacking Judicial Congestion Using Process- and Queue-Mining <ul style="list-style-type: none">INFORMS Annual Meeting, Seattle, Washington, October 2024 (forthcoming)33rd European Conference on Operational Research (EURO), Copenhagen, Denmark, July 2024	
Leveraging Operations Management to Improve Access to Justice: Research Agenda on Court Congestion <ul style="list-style-type: none">33rd European Conference on Operational Research (EURO), Copenhagen, Denmark, July 2024	
Consequences of Long Lead Time – Empirical Evidence of Adverse Effects of Delay in Court Systems <ul style="list-style-type: none">WISDOM Webinar on "Machine Learning and Operations Management", May 202433rd Annual Conference of the Production and Operations Management Society (POMS), Orlando, Florida, May 2023	

Alleviating Court Congestion: The Case of the Jerusalem District Court

- 33rd Annual Conference of the Production and Operations Management Society (POMS), May 2023

Justice in Time: Applying Operations Theory to Court Systems

- 31st Annual Conference of the Production and Operations Management Society (POMS), online, April 2021
- 30th European Conference on Operational Research (EURO), Dublin, Ireland, June 2019
- ORSIS annual meeting, Shefayim, Israel, May 2019
- ORSIS annual meeting, Beer-Sheva, Israel, May 2018

Resolving the Real Estate Price Crisis: the TOC Way (Keynote panel discussion)

- 15th annual TOCICO conference, Berlin, Germany, July 2017

INDUSTRY EXPERIENCE

Focused Management Ltd.

2004-2017

Consultant and project leader in implementing strategic, operational, and cross-company improvement processes to increase shareholders' value in large-scale R&D, service, not-for-profit, and industrial organizations.