

SHANY AZARIA

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RESEARCH INTEREST

I am mainly interested in empirical investigation of the effects of congestion on service systems in the public sphere, with a focus on court systems.

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 PAPERS

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

“From Docket to Data: Unpacking Judicial Congestion Using Process- and Queue-Mining”, working paper (with Alexander C., Baron O., Krass D. and Senderovich A.)

“Choosing Interventions to Improve Flow in the Emergency Department Using Queue-mining and Simulation”, working paper (with Baron O., Krass D. and Senderovich A.)

“Consequences of Long Lead Time – Empirical Evidence of Adverse Effects of Delay on Judges’ Effort in Court Systems”, working paper (with Shamir N.)

GRANTS AND AWARDS

YW4OR (Young Women for Operations Research) Cohort, EURO WISDOM Forum	2024
Rotman TD Management Data and Analytics Lab Research Grant	2024
"From Docket to Data: Unpacking Judicial Congestion Using Process- and Queue-Mining" (with Alexander C., Baron O., Krass D. and Senderovich A.)	
Tel Aviv University Provost's Teaching Excellence Award	2023
Tel Aviv University President's Fellowship for Women Postdoctoral Scholars	2023-2025
Theory of Constraints Body of Knowledge	2023
The paper <i>Justice in time: A theory of constraints approach</i> was added to the TOCICO BOK	
Raya Strauss Center for Family Businesses Research Grant	2017
"Identifying the Generic Core Problems in Family Businesses" (with Ronen, B. and Weiss, D.)	
Elrov Real Estate Institute Research Grant	2014
"The Influence of Real Estate Bonds on the Israeli Real Estate Market" (with Ronen, B. and Lieber, Z.)	
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.)	

TEACHING EXPERIENCE

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

CONFERENCE PRESENTATIONS, SEMINARS AND WEBINARS

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	
From Docket to Data: Unpacking Judicial Congestion Using Process- and Queue-Mining	
<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 2024• 33rd Annual Conference of the Production and Operations Management Society (POMS), Orlando, Florida, May 2023	
Alleviating Court Congestion: The Case of the Jerusalem District Court	
<ul style="list-style-type: none">• 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.