

EDUCATION

INSEAD

Department of Decision Sciences

PhD in Management

Committee: M. Asher Lawson (Advisor), Ilia Tsetlin, Paulo Albuquerque, Sudeep Bhatia

Fontainebleau, France

Expected 09/2028

Johns Hopkins University

School of Advanced International Studies (SAIS)

Master of Arts in Global Risk

Bologna, Italy

2019 – 2020

Reichman University (IDC)

Bachelor of Arts (Hons) in Government

Graduated *summa cum laude* (1st in class)

Herzliya, Israel

2015 – 2018

RESEARCH INTERESTS

Computational models of how mental representations shape behavior and judgment, using natural language processing, deep learning, and explainable artificial intelligence.

MANUSCRIPTS IN PROGRESS

1. **Tal-Shir, E.**, Wallmueller, P., & Lawson, M. A. “Uncovering novel causal drivers of risk taking with explainable artificial intelligence.” – *In preparation; manuscript available upon request.*
2. **Tal-Shir, E.**, Lawson, M. A., Puranam, P., & Bhatia, S. “The relationship between cognitive diversity and behavior.” – *In preparation.*
3. Karelaia, N., Lawson, M. A., & **Tal-Shir, E.** “When women ask, do they receive? Using explainable AI to reveal gendered responses to questions.” – *In preparation; manuscript available upon request.*

JOURNAL ARTICLES

1. Matania, E. & **Tal-Shir, E.** (2020). “Continuous Terrain Remodelling: Gaining the Upper Hand in Cyber Defence.” *Journal of Cyber Policy*, 5(2), 285-301.
2. Harari, A., **Tal-Shir, E.**, & Reiner, L. (2019). “Military and Business Transformation from the Perspective of National Culture.” *Dado Center Journal*, 21, 197-231. (Hebrew)
3. **Tal-Shir, E.** & Mintz, A. (2018). “Russia’s Decision to Pursue Syria’s Chemical Disarmament in 2013.” *International Journal of Peace Economics and Peace Science*, 1(2), 1-16.

OTHER PUBLICATIONS

1. **Tal-Shir, E.** & Mintz, A. (2021). “Poliheuristic Theory in Strategic Interactions: The United States and Russia on Syrian Chemical Weapons in 2013.” *The Oxford Handbook of Behavioral Political Science*. Oxford University Press.
2. Mintz, A. & **Tal-Shir, E.** (2019). “Introduction: How Do Leaders Make Decisions? Evidence from the East.” *How Do Leaders Make Decisions? (Contributions to Conflict Management, Peace Economics and Development, Vol. 28B)*. Emerald Publishing Limited, 1-7.
3. Mintz, A. & **Tal-Shir, E.** (2019). “Introduction: How Do Leaders Make Decisions? An Applied Decision Analysis Account.” *How Do Leaders Make Decisions? (Contributions to Conflict Management, Peace Economics and Development, Vol. 28A)*. Emerald Publishing Limited, 1-12.
4. Mintz, A., Redd, S. B., & **Tal-Shir, E.** (2017). “The Poliheuristic Theory of Political Decision-Making.” *Oxford Research Encyclopedia of Politics*. Oxford University Press.

TEACHING

1. Uncertainty, Data & Judgment, INSEAD (MBA; Student evaluation: 4.05/5.0)
2. Foundations of AI for Managers, INSEAD (MBA; Student evaluation: 4.75/5.0)
3. Decision Theory & Decision Analysis, Reichman University (MA Government)
4. Introduction to Decision Making, Reichman University (BA Government)

CONFERENCE PRESENTATIONS

1. Institute for Operations Research and the Management Sciences (Talk – PhD Incubator) 2026
2. Society for Judgment and Decision Making (Poster) 2025
3. European Association for Decision Making (Poster) 2025

AWARDS AND HONORS

Certificate of merit from the Israel National Cyber Directorate	July 2018
Dean’s list (Reichman University)	2015 – 2018
“Superforecaster” (ranked 3 rd in the Israeli Good Judgment Project)	October 2017

WORK EXPERIENCE

Decision Scanner (formerly Decision Analytics) Data Scientist	Herzliya, Israel January 2019 – August 2022
Computerized Decision-Making Lab, Reichman University (IDC) Research Associate	Herzliya, Israel March 2017 – August 2022
Baillie Gifford (Private Companies Fund) Investment Research Intern	Edinburgh, Scotland October 2020 – December 2020
Maisha Labs Cybersecurity Risk Consultant	Tel-Aviv, Israel December 2017 – January 2019
Israel Defense Forces (Unit 8200) Cyber Forensics Specialist	Israel June 2012 – June 2015

ADDITIONAL INFORMATION

Languages:	Hebrew (Native); English (Fluent); Italian (Conversational)
Technical Skills:	Python ML frameworks (PyTorch; Transformers (HF); Lightning; Scikit-Learn) Data wrangling/analysis tools (Pandas; NumPy; SciPy; Statsmodels) Neural networks (Transformers; LSTMs; CNNs)