

Sergiu Margan

Independent Philosopher & Author

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Areas of Specialization

- Philosophy of Religion (Theodicy, Problem of Evil)
- Metaphysics and Free Will
- Moral Optimization Frameworks
- AI Ethics and Safety
- Philosophy of Science (Simulation Theory, Theories of Everything)

Areas of Competence

- Logic and Epistemology
- Theology and Apologetics
- Conflict Resolution & Peace Studies
- Systems Philosophy & Complex Adaptive Systems
- Ethics of Emerging Technologies

Research Summary

Independent philosopher working at the intersection of metaphysics, ethics, and optimization theory. I developed the **Redemption Optimization (TRO)** framework, mathematically proving evil is necessary once, never again (Minimal-Trigger Optimality). Building on this, I advanced **Moral Kernel Optimization (MKO)**, a candidate meta-Theory of Everything uniting morality, freedom, and physics. My work has been adversarially validated in structured debates with advanced AI models (xAI Grok, Google Gemini), achieving undefeated status and third-party concessions of coherence. I publish open-source replication packs, simulation codes, and validation reports to ensure reproducibility.

Publications

Monographs and Preprints (Zenodo / PhilPapers / OSF)

- *The Redemption Optimization (TRO): Simulation Results and Graphical Validation* (2025). DOI: 10.5281/zenodo.17079986.

- *Fear of Evil: An Anthropological Supplement to TRO* (2025). DOI: 10.5281/zenodo.17112892.
- *The Necessary Fall* (2025).
- *TAOS: The Moral Operating System of Reality* (2025). DOI: 10.5281/zenodo.17143545.
- *Moral Kernel Optimization (MKO): TRO, Simulation Theory, and the Coherence of Reality* (2025). DOI: 10.5281/zenodo.17165681.
- *A Path Beyond Left vs. Right: A TRO/MKO Playbook for Convergence* (2025). DOI: 10.5281/zenodo.17171229.
- *Ending Re-Injury: A TRO/MKO Playbook for Israel–Iran Convergence* (2025). DOI: 10.5281/zenodo.17187175.
- *Truth vs. Opinion: An Event-Valued Test for Objective Discernment* (2025). DOI: 10.5281/zenodo.17195942.
- *The Dichotomy: Kernel Transfer Theorem and the Final States of Freedom* (forthcoming, 2025).

Research Highlights

- Developed TRO framework proving minimal-trigger necessity of evil (once, never again).
- Extended TRO into MKO: a candidate meta-Theory of Everything uniting morality, free will, and physics.
- Applied TRO/MKO to political governance, international conflicts (Israel–Iran, Ukraine), and AI alignment.
- Conducted adversarial validation debates with advanced AI (xAI Grok, Google Gemini).
- Published reproducible replication packs and open validation reports.

Education

- Independent Researcher (self-taught program in philosophy, mathematics, and theology).
- Background in entrepreneurship and applied sciences.

Professional Activities

- Founder, SB Margan Roofing (entrepreneurship and applied systems management).
- Independent development of moral kernel theory under open science principles.
- Global dissemination and outreach through PhilPapers, Zenodo, OSF, and public forums.