

# **RESOCORE SYSTEMS**

## **One-Page Press Summary**

### **OVERVIEW**

ResoCore is a systems research and innovation platform focused on understanding how structure, stability, and observability emerge across physical and complex systems. ResoCore develops foundational frameworks that address why systems persist, why they fail, and how large-scale behavior arises under real constraints. These frameworks are translated into practical pathways for science, technology, and industry.

ResoCore is the origin of three core frameworks developed under a unified systems-first approach: Sequence Density Theory, Universal Resonance Theory, and Constrained Access Theory.

### **THE FRAMEWORKS**

#### **SEQUENCE DENSITY THEORY (SDT)**

Sequence Density Theory reframes time as a system-dependent phenomenon rather than a universal background. SDT explains how systems evolve, synchronize, and destabilize based on pacing relationships, offering insight into stability, transition thresholds, and long-term behavior where timing and coherence determine persistence.

#### **UNIVERSAL RESONANCE THEORY (URT)**

Universal Resonance Theory is a unifying framework describing structure and interaction through resonance compatibility rather than force-based models. URT links gravity and time as emergent system properties and provides a common structural language applicable across scales.

#### **CONSTRAINED ACCESS THEORY (CAT)**

Constrained Access Theory is a selection framework describing why certain structures become observable, stable, and persistent while others dissipate or remain inaccessible. CAT frames observability as a consequence of constraint and compatibility across systems.

### **WHAT RESOCORE DOES**

ResoCore develops, translates, and deploys foundational system frameworks with an emphasis on real-world applicability.

Core activities include:

- Framework development and refinement
- Public and technical translation
- Stability and observability modeling
- Pilot programs and controlled validation
- Licensing and collaborative deployment

### **FOUNDER**

Micheal H. Olver is a retired U.S. Navy aviation systems expert and independent researcher focused on applied engineering and large-scale system behavior. He founded ResoCore to responsibly publish and validate foundational frameworks while building collaborative pathways with research and industry partners.

### **PRESS ANGLES**

- A systems-first framework explaining stability, persistence, and collapse across scales
- Gravity and time reframed as emergent, system-dependent properties rather than fundamentals
- Translation of foundational theory into measurable, deployable scientific and industrial tools

### **PARTNERSHIPS AND INQUIRIES**

ResoCore engages with research institutions, industry partners, and organizations interested in validation, licensing, or applied collaboration.

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