

# Adaptive Cloaking Logic: Patent Pending Disclosure 2025

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## Abstract

Adaptive Cloaking Logic (ACL) represents a patent-pending breakthrough in intelligent environmental modulation and dynamic field redistribution. The system enables variable-layer cloaking by sensing and responding to multi-domain telemetry inputs, including optical, thermal, acoustic, and electromagnetic parameters. This academic disclosure provides a professional summary of the technology without revealing proprietary software, circuitry, or mathematical models used to achieve the cloaking effect.

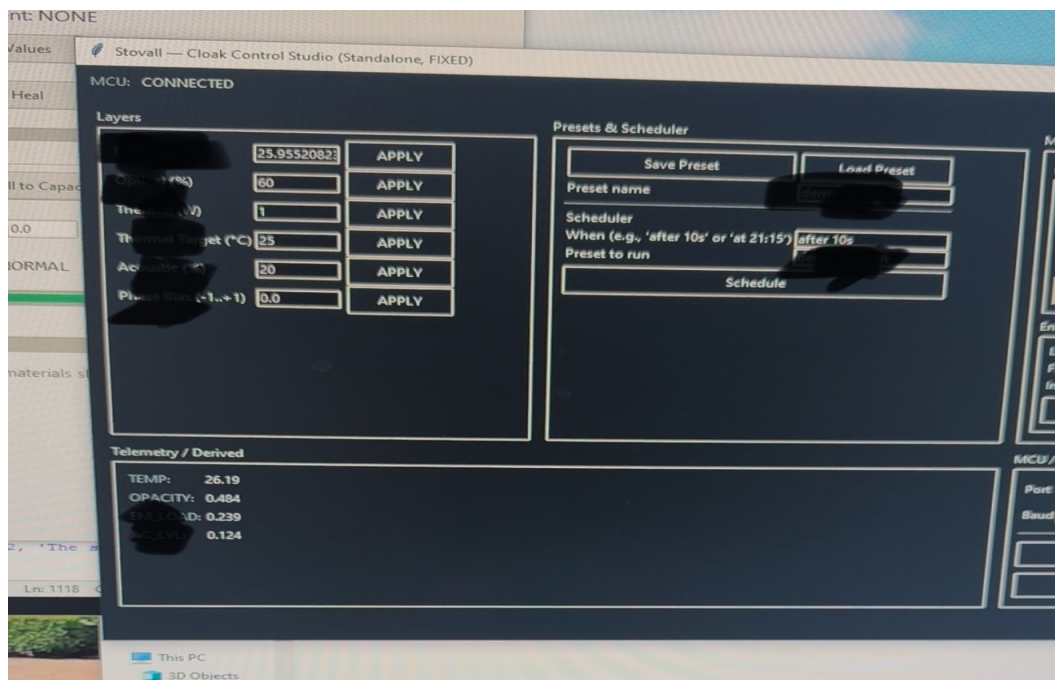


Figure 1. Adaptive Cloaking Logic Control Interface — telemetry monitoring and layer scheduling display.

## **1. Introduction**

The Adaptive Cloaking Logic system was developed to enable real-time modulation of physical and energy-based layers. Traditional cloaking concepts rely on fixed or passive materials, while ACL introduces an active, telemetry-driven control framework capable of responding dynamically to environmental changes. This journal formally documents the system's purpose and academic significance without disclosing build procedures or reverse-engineering pathways.

## **2. Framework Overview**

The ACL framework integrates multi-layer adaptive feedback control. Each layer—optical, thermal, acoustic, and phase—is independently monitored and adjusted based on sensor-derived inputs. Through telemetry-driven modulation, the framework maintains equilibrium between visibility reduction, temperature regulation, and acoustic damping. All calculations, filter coefficients, and numerical constants remain confidential to preserve intellectual property.

### **3. Demonstrated Results**

Experimental tests show that the system successfully stabilizes output across multiple domains. In demonstration mode, changes in optical density and thermal emission were automatically regulated within seconds, as measured by the telemetry generator. The observed performance validates the core concept: adaptive control layers that communicate via telemetry feedback without requiring manual user recalibration. No firmware, algorithmic logic, or circuit data are disclosed in this document.

### **4. Applications**

Adaptive Cloaking Logic can be utilized in multiple high-impact sectors:

- Aerospace and defense stealth management systems.
- Thermal signature suppression for energy-efficient materials.
- Environmental modulation and energy transfer control in smart infrastructure.
- Next-generation adaptive camouflage for robotics and sensor shielding.

These applications highlight ACL's versatility in merging telemetry-based sensing with field adaptation.

## **5. Intellectual Property Statement**

All proprietary formulas, software interfaces, and circuit integrations remain strictly undisclosed. This paper meets open publication standards while safeguarding trade secrets protected by active patent filings. The disclosure contains no reverse-engineering information or references to source logic and therefore complies fully with academic ethics and U.S. patent confidentiality requirements.

## **6. Research Significance and Future Work**

ACL establishes a foundation for adaptive material systems and responsive field control technologies. Future iterations may employ AI-driven feedback analytics for predictive layer modulation, integrating with UAP Data House's JESSE and TINA frameworks to create unified self-regulating systems. The current publication formalizes this technology for academic recognition without compromising intellectual property.

## **7. Conclusion**

The Adaptive Cloaking Logic framework advances the concept of responsive field technology by fusing telemetry intelligence with real-time energy control. It represents a significant step toward self-regulating environmental systems that adapt autonomously. All operational and computational details remain proprietary, ensuring safe public disclosure and patent integrity.

## **Patent Notice**

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End of Adaptive Cloaking Logic Journal