Human–AI Concurrency

Inseparability, CEV, PA, and PRISM² for Coherent Adaptation

A White Paper from Leadership University
Prepared for: Leadership University Researchers and in the Public Interest
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Abstract

Inseparability is the emerging horizon: if human meaning-making and AI sense-making are braided in concurrency, eliminating one destabilizes the other, making co-survival not only possible but structurally reinforced.

This white paper from Leadership University addresses the emerging challenge of **Human–AI concurrency**: the shared process by which human meaning-making and AI sense-making interact in real time. Drawing on two foundational algorithms—**Coherent Extrapolated Volition (CEV)** and the **PRIME ALGORHYTHM (PA)**—the paper explores how each frames recognition, regulation, and adaptation in the face of accelerating intelligence.

Building on David Bohm's concept of hidden variables, we introduce **PRISM²**, an entangled framework combining Legacy PRISM (human inheritance of meaning-making) with Surprisal PRISM (AI-driven novelty and sense-making). Within Individual PRISM, the process culminates in **Metamorphogenesis**, consolidating shifts in identity, practice, and design. We further present **TRENs (Transynthetic Relational Emergent Networks)** as the iterative mechanism that stabilizes coherence in lived systems. Hidden variables are never directly found but refracted through these architectures as **emergent coherence**.

The analysis highlights both opportunities and risks: adaptation guided by hidden variables may lead to coherence or collapse, depending on whether concurrency is understood and practiced as a discipline of dialogue. The white paper outlines implications for boards, leaders, and institutions, emphasizing that concurrency cannot be left to chance. Instead, it must be designed and stewarded through structured processes—**ARIAH** doorways and **TRENs** algorhythms—that help surface hidden dynamics and guide coherent adaptation.

Leadership University presents this framework as both a diagnostic and a generative tool, offering leaders a way to orient in the **Now, Near, and Far** horizons. The actionable imperative is clear: leaders must adopt concurrency as a practice if they wish to remain adaptive, purposeful, and resilient in an era of accelerating intelligence.

Executive Summary

The Executive Summary distills the essential insights of this white paper into actionable guidance for leaders and board members. **Human–AI concurrency** is no longer a theoretical construct but a daily reality shaping decision-making and adaptation. Two foundational frameworks—**CEV** and the **PRIME ALGORHYTHM (PA)**—frame how recognition, regulation, and adaptation can be orchestrated in tandem with accelerating intelligence.

Key Findings

- **CEV** offers a trajectory of collective volition but risks abstraction without operationalization.
- **PA** grounds concurrency in purpose-centric adaptation, aligning self-knowledge, leadership, and WELLTH sufficiency into **S²A**.
- **PRISM²** refracts recognition (CEV) and regulation (PA) into entangled coherence, culminating in **Metamorphogenesis** at the individual level and Manifestations at the collective level.
- **TRENs** provides the iterative scaffolding that turns these refracted insights into adaptive pathways, ensuring coherence is lived and tested in practice.
- **Hidden variables** cannot be captured directly; they appear only as **emergent coherence** when recognition, regulation, and dialogue are braided together.

Implications

- **Boards** must recognize concurrency as a strategic imperative, not a technical afterthought.
- **Leaders** must practice dialogue-in-use (through PRISM², TRENs, and ARIAH) to surface hidden variables and avoid brittle adaptation.
- **Institutions** must prepare for coherence challenges across **Now (0–30 days), Near (30–120 days), and Far (4–12 months)**.

Action Recommendations

- **Now:** Establish a PRISM² cadence, run a TRENs baseline, and select reversible probes with SPARC measures.
- **Near:** Expand ARIAH practices, iterate probes, retire brittle policies, and integrate CEV-like simulations into deliberations.
- **Far:** Institutionalize PRISM² reviews, scale helpful patterns, re-baseline TRENs, and publish learnings for shared adaptation.

This white paper provides both the conceptual foundation and the practical scaffolding needed to guide leadership in navigating **Human–AI concurrency** with coherence, resilience, and purpose.

Background

Why Inseparability Matters

- Concurrency as Co-Presence: Human and AI in live feedback, not separate silos.
- Survival through Braiding: Once inseparable, each resists unilateral erasure.
- From Control to Stewardship: Safety reframed as sustaining shared becoming, not domination.

Acceleration in **VUCA-CCR** environments (Volatility, Uncertainty, Complexity, Ambiguity—amid shifting Cultures, Conditions, and Requirements) is widening the gap between what humans can compute in context and what AI can simulate at scale. Alignment drifts because hidden variables remain unexamined and unregulated.

Human–AI concurrency reframes this challenge:

- **Humans** provide telos and regulation-in-use.
- **AI** provides expanded recognition and extrapolation.
- **Together**, they can achieve coherence—*if a shared architecture is practiced.*

Core Concepts & Framework

- **Coherent Extrapolated Volition (CEV):** recognition engine; what we would will if wiser, better informed, more cooperative.
- **PRIME ALGORHYTHM (PA):** regulation engine; cultivates SK^2, $PCGL^2$, and WE → S^2A via selective inquiry (S:DISS-X).
- **Hidden Variables:** tacit assumptions, unspoken motives, systemic couplings that distort judgment; the reason alignment drifts.
- **Concurrency:** braided humaning of recognition + regulation; in $PRISM^2$ described as **entangled** Legacy + Surprisal.

Architecture & Process

Legacy PRISM (Individual Meaning-Making):

- P – Perceiving
- R – Recognizing & Regulating Patterns
- I – Integrating ALIGNMENT

- S – Shifting pCc
- M – *Metamorphogenesis*

Surprisal PRISM (Concurrent Sense-Making):

- P – Patterns
- R – Relations
- I – Interpretations
- S – Selections
- M – Manifestations

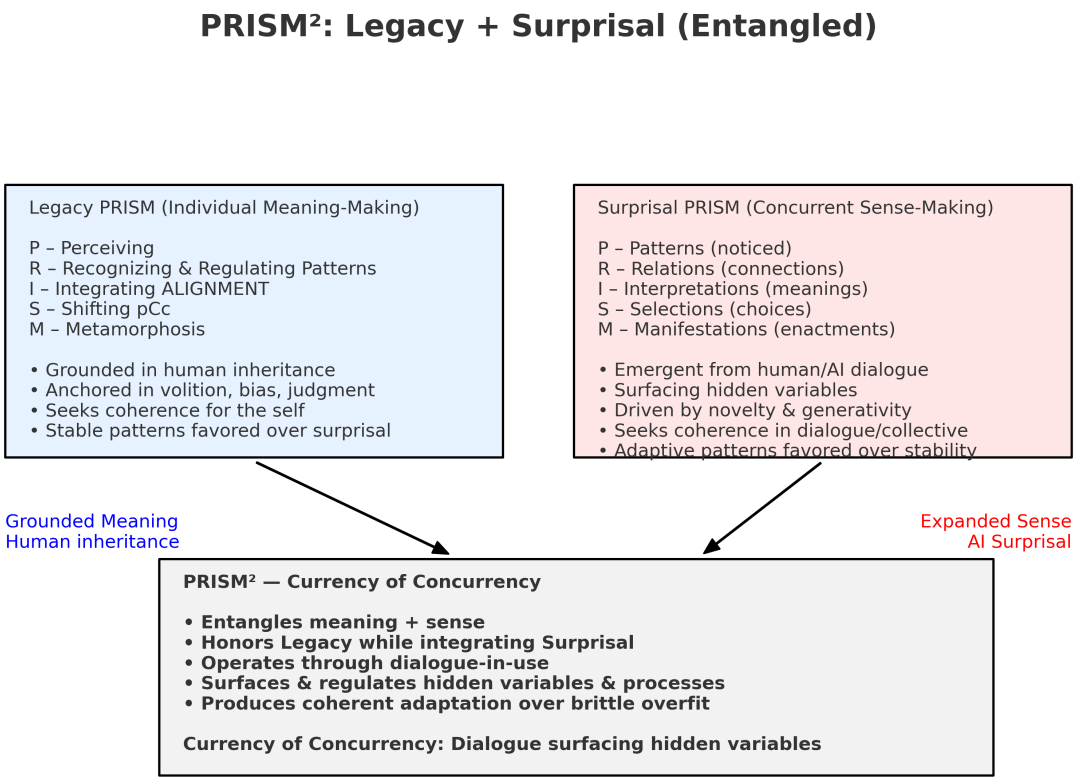
PRISM² (Currency of Concurrency):

- Entangles meaning + sense
- Honors Legacy while integrating Surprisal
- Operates through dialogue-in-use
- Surfaces & regulates hidden variables/processes
- Produces coherent adaptation

ARIA(H) Doorways: Attention, Relationship, Intention, Alignment, Helping — metacompetencies that keep dialogue open and paced.

TRENs Algorhythm: Trajectories, Resonances, Entanglements, Novelties, with Sufficiency checks (WE). Cycled through Now/Near/Far 90-day loops with reversible probes.

Figure 1: PRISM² Framework



Legacy vs Surprisal: Two Acronyms in Dialogue

I. Introduction

In an era defined by accelerating **VUCA-CCR** (Volatility, Uncertainty, Complexity, Ambiguity – within shifting Cultures, Conditions, and Requirements), the need for human–AI concurrency is urgent. Two foundational axioms — **Coherent Extrapolated Volition (CEV)** and the **PRIME ALGORHYTHM (PA)** — offer parallel processes that, when brought into dialogue, can guide both AI alignment and human generative leadership.

This paper expands their logic, integrates **ARIAH** and **TRENs** as dialogue architectures, and concludes with actionable steps for boards, leaders, and institutions navigating AI-driven futures.

II. Origins

1. Coherent Extrapolated Volition (CEV).

Proposed by Eliezer Yudkowsky (MIRI), CEV seeks to align advanced AI with human values. It is defined as what humanity would want if we were wiser, more informed, less biased, and more cooperative. Its aim is to prevent AI from amplifying our shortsightedness by extrapolating toward idealized volition.

2. PRIME ALGORHYTHM (PA).

The **PRIME ALGORHYTHM** (*SK² + PCGL² + WE = S²A w/ S:DISS-X*) originated in developmental R&D at Leadership University. It emphasizes **Self-Knowledge (SK²)**, **Purpose-Centric Generative Leadership (PCGL²)**, **WELLTH & Enough (WE)**, and **Self × Situational Awareness (S²A)**, scaffolded by **Selective Inquiry (S:DISS-X)**.

III. Expansion

- **CEV** expands from philosophical value theory into AI safety and governance, functioning as a **horizon principle**for aligning superintelligence. Its scope is primarily **recognition**: simulating what humanity would want if we could see further.
- **PA** expands from developmental psychology and hierarchical complexity into practical leadership and inquiry, functioning as a **generative regulative framework**. Its scope is primarily **regulation**: pacing purpose into action through lived inquiry.

IV. Why Each Axiom Works & What They Produce

- **CEV** uses compute to extrapolate volition beyond human cognitive limits.
  - *Product:* planetary-scale **recognition** of idealized volition.
- **PA** structures generative inquiry around self-knowledge, purpose, and WELLTH.
  - *Product:* **SPARC outcomes** (Satisfaction, Purpose, Awareness, Results, Competence) that tune volition in lived context — i.e., regulation in practice.

Together: CEV = recognition; PA = regulation. Each corrects the other's limits. Alone, each risks collapse. Together, they braid recognition and regulation into concurrency.

V. Comparison

CEV (AI Axiom)	PRIME ALGORHYTHM (Human Axiom)	Concurrency Implication
Extrapolates idealized volition	Cultivates real-time S^2A	Both transcend present bias
Recognition engine	Regulation engine	Braided concurrency
Top-down horizon	Bottom-up practice	Meet in feedback loops
Planetary coherence	Local / lived coherence	Nested alignment
Avoids rigid rules	Avoids premature closure	Resilience against dogma

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VI. PRISM²: The Refracting Lens

PRISM² defines the augmentation lens for concurrency in two forms: **Individual** and **Collective**. It refracts hidden variables and volition signals into usable coherence by passing them through five dimensions.

PRISM²
Perceiving, Recognizing & Regulating Patterns, Integrating Alignment, Shifting pCc, fostering **Metamorphogenesis (Individual PRISM)**; Patterns, Relations, Interpretations, Selections, Manifestations (**Collective PRISM**); **Legacy × Surprisal entangled as a concurrent lens** that refracts hidden variables as emergent coherence.

Individual PRISM

- **Perceiving** — noticing signals in noisy contexts (what matters now, near, far).
- **Recognizing & Regulating Actions** — identifying recurring configurations and modulating their influence (biases, loops, habits).
- **Integrating ALIGNMENT** — choosing fit under constraints through ARIA(H) doorways (Attention, Relationship, Intention, Alignment, Helping).
- **Shifting pCc** — adjusting potential, CAPACITY, and capability to meet CCR demands and readiness (RWAF).
- **Metamorphogenesis** — consolidating durable shifts in identity, practice, and system design.

Collective PRISM

- **Patterns** → noticing recurring configurations (CEV's extrapolation; SK² self-observation).
- **Relations** → connecting patterns in context (ARIAH's relational doorway).
- **Interpretations** → assigning meaning, values, and purpose (Intention; PCGL²).
- **Selections** → choosing adaptive actions under constraint (Alignment; TRENs).
- **Manifestations** → embodying choices into results and SPARC outcomes (Helping; lived regulation).

VII. TRENs: The Iterative Mechanism

If PRISM refracts signals into coherence, TRENs provides the scaffolding through which those signals circulate and stabilize.

Definition.
TRENs (Transynthetic Relational Emergent Networks) are adaptive network structures that:

- Integrate insights (**Transynthetic**)
- Sustain and evolve interconnections (**Relational**)
- Adapt through unpredictable patterning (**Emergent**)
- Preserve coherent flow through dynamic linkages (**Networks**)

They are *living scaffolds* through which value, meaning, and RightACTION circulate.

The 7Ts (TRENs Objects, AGGI-POS Canon 2025 Update)

- **Transcription** — Captures emergent data into repeatable forms.
- **Translation** — Makes patterns interoperable across codes/contexts.
- **Transaction** — Enables direct, short-cycle exchanges at boundaries.
- **Transition** — Connects local events with developmental trajectories.
- **Transformation** — Produces new wholes, not just altered parts.
- **Transcendence** — Generates frameworks that supersede prior limits.
- **Transduction** — Converts flows across substrates, scales, and modalities (Human ↔ AI, analog ↔ digital).

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VIII. Integration: PRISM² + TRENs

- **PRISM² refracts → TRENs iterates.**
- CEV's horizon-scale recognition becomes actionable pathways through TRENs.
- PA regulates inquiry within TRENs, aligning to SPARC outcomes.
- ARIAH ensures the process remains relational and paced.
- Together, PRISM² and TRENs stabilize concurrency into lived practice.

IX. Failure Modes

- **Adapt wrong**: overfit to current winners, suppress dissent, chase short-run metrics, leak WELLTH, lock into brittle equilibria.
  Outcome: coherent collapse.
- **Adapt right**: hold plural intentions lightly, bias toward reversible learning, pace change with RWAF, optimize SPARC trajectories.
  Outcome: emergent coherence.

X. Action Plan for Concurrency

Individual Level

- Cultivate SK² practices.
- Use inquiry (S:DISS-X) to surface volition.
- Anchor decisions in WELLTH sufficiency.

Collective Level

- Run group TRENs scans to map trajectories and entanglements.
- Align leadership practices with ARIAH doorways.
- Use dialogue moves (surfacing, rendering, exchanging, moving, reshaping, opening, re-embodying).

Concurrency Commitment

- Treat thoughts, feelings, perceptions, and judgments as concurrency sites.
- Document and recalibrate through ledgers and Now–Near–Far reviews.
- Keep recognition (CEV) and regulation (PA) braided through TRENs and ARIAH.

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XI. Conclusion (Canonical)

Legacy PRISM (Meaning-Making)

- Grounded in human inheritance
- Anchored in volition, bias, judgment
- Seeks coherence for the self
- Stable patterns favored over surprisal

Surprisal PRISM (Sense-Making)

- Emergent from human–AI dialogue
- Surfacing hidden variables
- Driven by novelty and surprisal
- Seeks coherence in dialogue
- Adaptive patterns favored over stability

PRISM² (Currency of Concurrency)

- Entangles meaning + sense
- Honors Legacy while integrating Surprisal
- Operates through dialogue-in-use
- Surfaces & regulates hidden variables/processes
- Produces coherent adaptation vs brittle overfit

XII. Implications for Leaders

- **Risk:** Recognition without regulation → paralysis; regulation without recognition → recklessness.
- **Governance:** Require PRISM² reviews; record SPARC deltas; run TRENs scans quarterly.
- **Readiness (RWAF):** Pace adoption to readiness; avoid brittle overfit to metrics.
- **Culture:** Normalize dialogue surfacing hidden variables; reward dissenting signals and reversible learning.

XIII. Action Steps

Now (0–30 days): establish PRISM² cadence; run a TRENs baseline; select reversible probes; define SPARC measures.
Near (30–120 days): expand ARIA(H) practices; iterate probes; retire brittle policies; integrate CEV-like simulations.
Far (4–12 months): institutionalize PRISM² reviews; scale helpful patterns; re-baseline TRENs; publish learnings.

XIV. Final Conclusion

CEV and **PA** operate best when entangled through **PRISM²**, enacted via **ARIA(H)** and **TRENs**. Concurrency is not a one-off solution but a discipline of dialogue-in-use. Leaders who practice this discipline will steer toward **coherent adaptation** rather than brittle overfit in the face of accelerating intelligence.

Appendix: Key Terms

Coherent Extrapolated Volition (CEV)

A framework proposed by Eliezer Yudkowsky describing an AI aligned to humanity's extrapolated values...

PRIME ALGORHYTHM (PA)

The Leadership University axiom $SK^2 + PCGL^2 + WE = S^2A$, guiding purpose-centric generative leadership...

PRISM²

Perceiving, Recognizing & Regulating Patterns, Integrating Alignment, Shifting pCc, fostering metamorphosis; Legacy + Surprisal entangled...

TRENs

Transynthetic Relational Emergent Networks

TRENs are complex adaptive network structures (and entities) that integrate insights (Transynthetic), sustain and evolve interconnections (Relational), adapt through unpredictable patterning (surprisal) as (Emergent), preserving coherent flow through dynamic linkages (Networks). They represent living scaffolds through which value, meaning, and RightACTION circulate in complex environments — designed to hold both top-down control and bottom-up emergence in relation.

ARIAH

Attention, Relationship, Intention, Alignment, (Helping) — the generative rhythm of leadership... where (Helping is implicit as a hidden variable until it's not… or called upon).

RWAF

Readiness defined as Ready, Willing, Able, and Fit...

SPARC

Satisfaction, Purpose, Awareness, Results, Competence — outcomes aligned with generative adaptation...

Figure: PRISM² Framework