Leadership.

Meet our Leadership: Ernesto Eduardo Dobarganes — Founder & Project Lead, CUBA 2.0.

In Newsletter 01 we introduced the intelligent rebirth of Cuba, and in

Newsletter 02 we laid out the Sequencing — three stages, from more entropy to less. This issue is about the person leading the program: where he comes from, how he works, and what he has written about leadership in our hemisphere. Thank you for reading.

— The CUBA 2.0 team

Who he is

Ernesto Eduardo Dobarganes is a trilingual, self-taught polymath who specializes in theoretical physics, complexity, cognitive science, psychology, astronomy, AI, digital media, and social & organizational design. He is the Founder & CEO of Vortygon and a systems architect working at the intersection of artificial intelligence, robotics, theoretical physics, and digital governance. He is based in St. Petersburg, Florida.

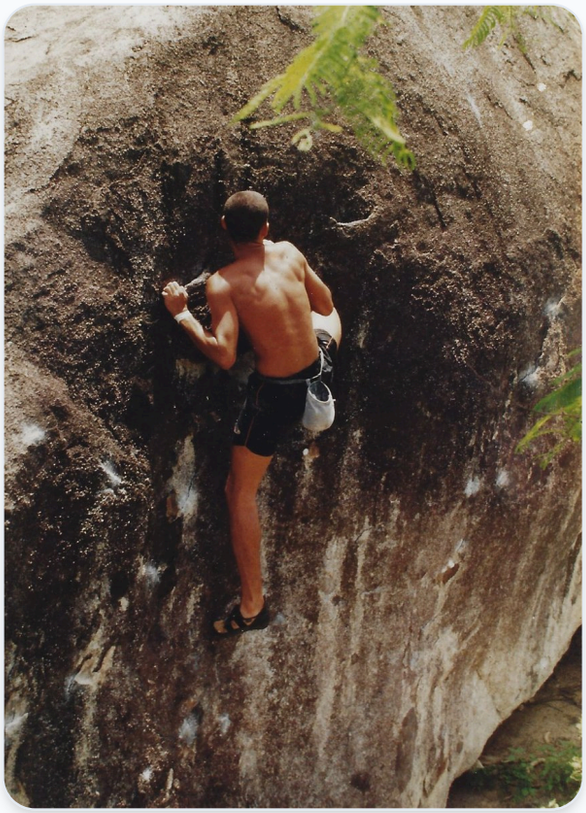
> **Role:** Founder & Project Lead, CUBA 2.0
>
> **Company:** Founder, CEO & CTO, Vortygon
>
> **Languages:** Spanish, English, Italian
>
> **Fields:** AI, Robotics, Physics, Digital governance

From Havana to St. Petersburg

> **1981 · Born in Havana.** Reads hard science from early childhood; later works across painting, plastic arts, prose, and poetry.

Age 12 · Starts programming. Within a year he is writing a video game in BASIC on paper — the school's MSX computers were almost never available.

Age 16 · Avoids the draft. Knowing an uncle had been shot in the chest during military service, he skips registering for the adult ID that would have enrolled him.



Age 17 · Expelled from school. For challenging authority, breaking the dress code, skipping class for the computer lab, missing forced farm labor, and a "bad ideological attitude."

Cuba · IT, video & photography career. A demanding self-directed life; assignments across the whole island, hundreds of video productions and thousands of photographs.

2013 · Emigrates to the United States. Goes deeper into theoretical physics, complexity and information science, psychology, and cognitive science.

Today · Depth across disciplines. Criminal psychology and intelligence studies, martial arts mastery, and professional-level conditioning.

Vortygon: robots that build robots

As Founder, CEO, CTO and principal researcher of Vortygon, he develops advanced research projects across science, technology, energy, complexity and institutional design. Vortygon is an advanced research organization developing modular actuators, robotics platforms and intentional AI agents — robotics treated as infrastructure: robots that build robots.

Visit vortygon.com

Research projects

Research projects listed on ernestoeduardo.com:

> **IRLA Agents** — Intentional Reinforcement Learning Agents with Lagrangian Allocation, treating policy certainty itself as a regulated, costly control signal.

> **CRAC Fusion Framework** — Coherent Resonant Alfvén Condensates: a proposed self-sustaining coherent plasma state that could dramatically improve fusion confinement.

> **IIQC & Quantum Compatibilism** — frameworks uniting informational structure, agency, and free-will-compatible quantum models of mind.

> **Ultra-Fast Neutron Engine** — a conceptual fuel-less, no-moving-parts propulsion system based on directed emission of fast and ultra-fast neutrons.

And on CUBA20.net, the CUBA 2.0 economics: the CUBA 250+ Deal, a 700 CUP/USD dollarization policy and a phased sequencing program.

Explore ernestoeduardo.com

The writing: 64 essays on Medium

His full Medium archive — original research and strategic writing, grouped by subject, newest first within each group.

Cuba & Geopolitics 8

The Hidden Architecture of Controlled Opposition in Cuba's Transitional Playbook

Jan 3, 2026

La Arquitectura Oculta de la Oposición Controlada en la Transición de Cuba (ES)

Oct 3, 2025

Is AMERICA quantum ?

Feb 29, 2024

Ultimatum a Raúl Castro y al PCC. (ES)

Feb 11, 2024

Cuba's Future: A Bifurcation Thesis

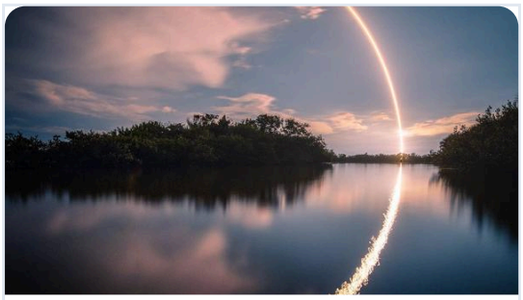
Dec 4, 2023

CUBA and The NAVY

Feb 26, 2022

America is the name of a whole Continent.

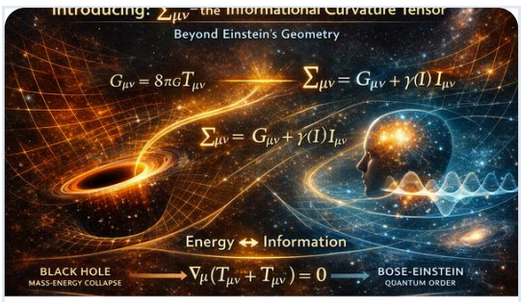
Nov 5, 2021



The Apogee of a Hemisphere

Jul 6, 2021

Physics 12

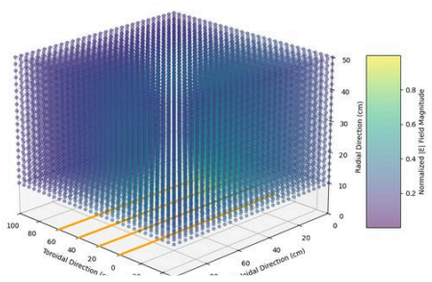


Introducing: Ξμν — the Informational Curvature Tensor

Dec 27, 2025

EICV Predictions for JWST — Solving the Hubble Tension.

Dec 7, 2025

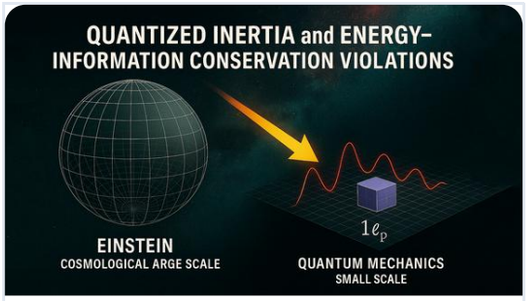


SOLVING FUSION with CRAC: Coherent Resonant Alfvén Condensates

Nov 30, 2025

Outsimulating the Matrix

Oct 12, 2025

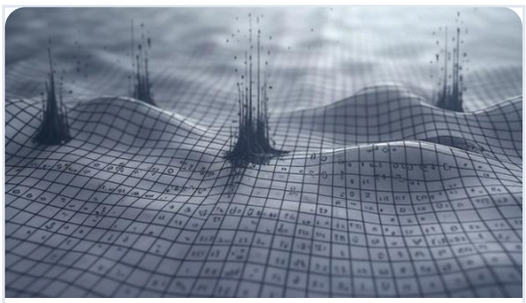


Dual-Horizon Physics: Linking Quantized Inertia and Energy–Information Conservation Violations

Sep 27, 2025

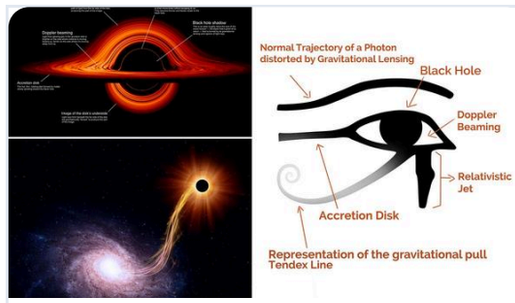
Challenging MANY-WORLDS with EVOLUTIONARY THEORY

Apr 3, 2025



Energy-Information Conservation Violations via Wave Scattering in Discrete and Non-discrete Spacetimes.

Jan 22, 2025

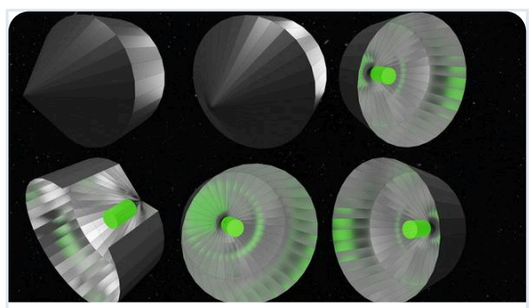


Black Holes & The Eye of Horus

Dec 26, 2024

Particle Interactions in gravitationally-compressed Space-time regimes.

Dec 10, 2024

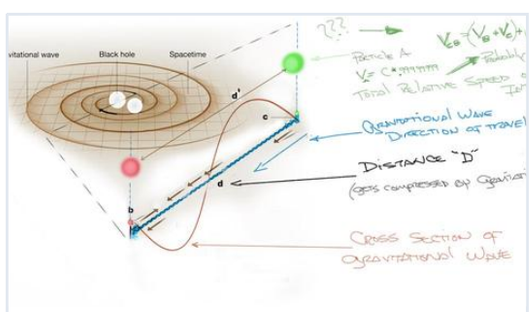


A new Fast & Ultra-Fast Neutron Nuclear Propulsion System

Jul 21, 2024

The Seriality of Eventuality

Aug 8, 2022



Faster Than Light Interactions ?

Feb 3, 2022

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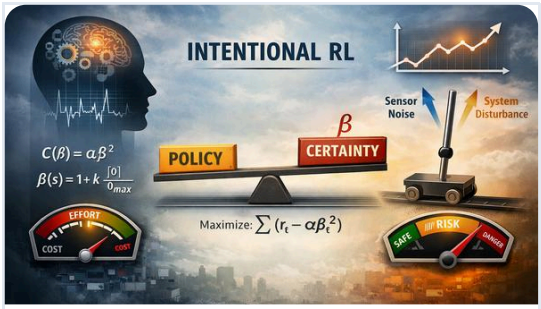


Introducing: IRLA - Intentional Reinforcement Learning Agents

Jan 11, 2026

Earth Data Centers vs. Orbital Hyper-Compute

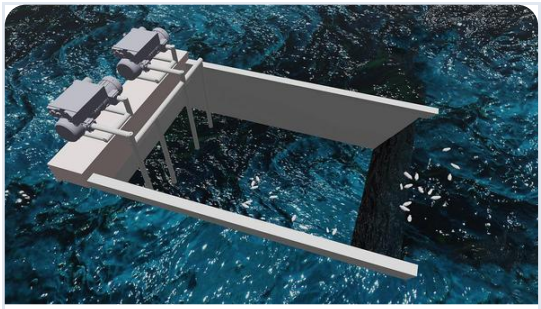
Aug 3, 2025

The TRANS-INTELLIGENCE MANIFESTO

Aug 2, 2025

Artificial Intelligence: Humanity's First Complex System ?

Jun 11, 2025



An automated solution for recovering floating plastics from the oceans.

May 28, 2024

About the need for Orbital Super-Computing.

Feb 1, 2023

A Human-Culture Orbital Backup System

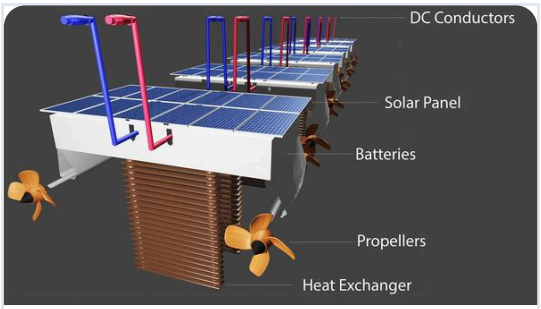
Nov 24, 2022

The 3 EVs paradigms.

Aug 4, 2022

A proactive cyber-defensive capability using Procedural Dynamic IP assignation

Nov 12, 2021



A Technological Solution for Reverting Global Warming.

Nov 10, 2021

AI's next nest.

Oct 30, 2021

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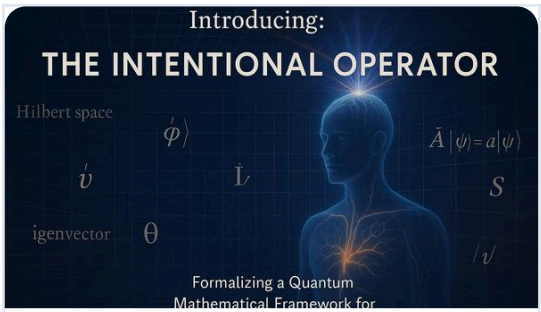
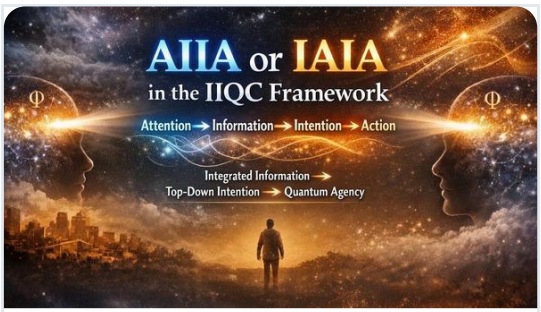


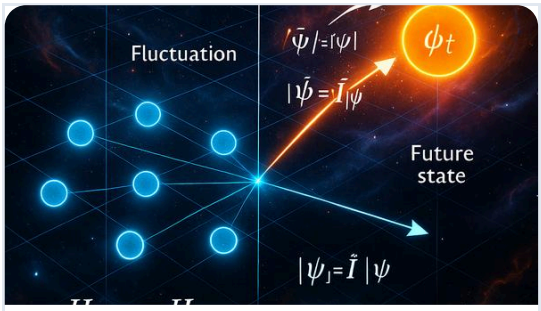
Introducing: The INTENTIONAL OPERATOR

Apr 11, 2026



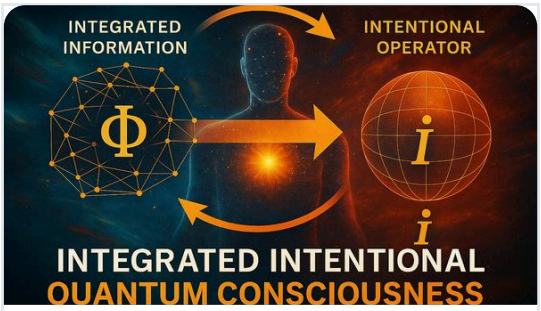
AIIA or IAIA in the IIQC framework ?

Mar 16, 2026



Quantum Minds meet in a Sandbox

Feb 5, 2026

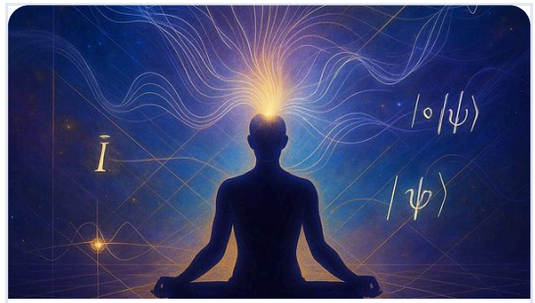


IIT + QCPF = IIQC (Integrated Intentional Quantum Consciousness)

Nov 28, 2025

IIT vs. QCPF

Oct 18, 2025



Quantum Consciousness Projection Framework: Dynamics of Intentionality

Jul 18, 2025

The Mind as Quantum Consciousness Projection in Hilbert Space

Oct 3, 2024

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A Theological Case for Radical Life Extension

Feb 14, 2026

Quantum Compatibilism: Reconciling Free Will and Determinism

Nov 12, 2025

A Quantum interpretation of God and Religious Beliefs.

Oct 9, 2024

A simple mathematical proof of Free Will.

Oct 10, 2023

Babel's LUT

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What will count will be the dim.

Nov 8, 2021

The Amoral Universe

Jan 25, 2021

Lo que contará será lo tenue. (ES)

May 28, 2020

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Migration as a Complex Spectrum

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Dignity... the "cult" we are missing ?

Jan 2, 2023

Caudillo, Profeta o Anticristo ? (ES)

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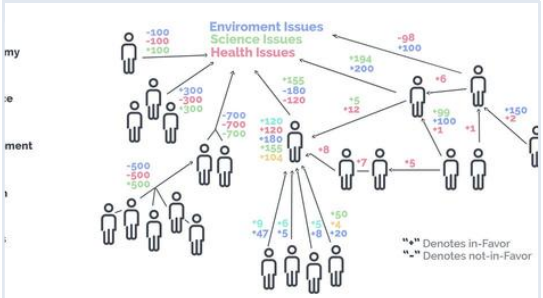


Propagative Democracy.

Aug 26, 2021

Before we go all Nuclear...

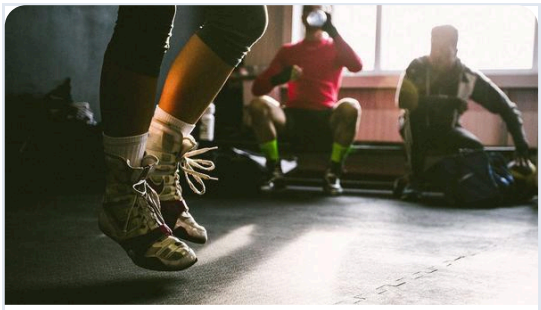
Aug 7, 2021

Can Abortion cause male homosexuality ?

Jan 7, 2021

Todos los errores de Alex (ES)

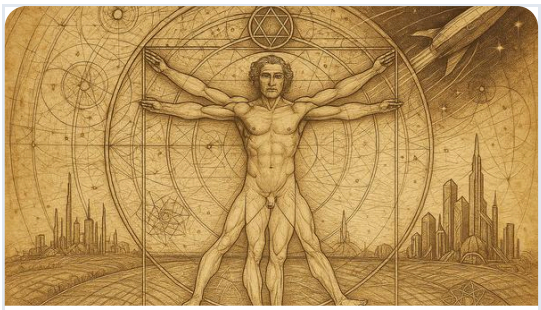
Jan 5, 2021



The mirage of History.

Jun 7, 2020

Evolution & Human Nature 6

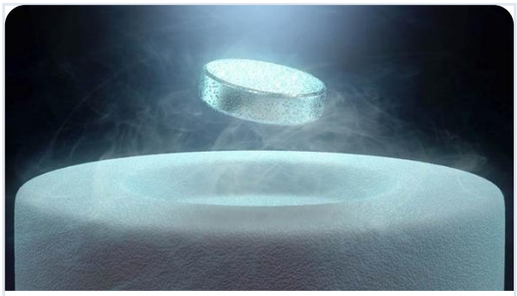


The Immortality Trilemma: Overpopulation, Longevity, and the Interstellar Imperative

Jul 23, 2025

The Integrated Pyramidal Model of Human Needs

Feb 11, 2025



Maslow's Resistivity Index.
Apr 16, 2023

An Anosmic Theory of Intelligence
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Paradigmatic Jerk
Sep 3, 2020

Asymmetric Evolutionary Pressure
Jul 21, 2020

Poetry & Literature 3

Fish & Urchin
Jan 19, 2021

Pez y Erizo (ES)
Jan 9, 2021

The perfect Realm of full belonging.
Dec 7, 2020

Key essay: The Apogee of a Hemisphere

A strategy for raising continental expectations and circularizing

regional achievements.

The essay picks up where "America is the name of a whole Continent" left off — the need to reinterpret belonging, coherence, responsibility and leadership in our hemisphere. Its argument borrows from astronautics: aerospace engineering sets its specifications first and develops the design later, and the essay asks why our political, economic and social goals are not set with the same ambition and rigor. It proposes space hardware manufacturing as an industry that could jump-start a new level of economic activity in Latin America, using the labor and mineral resources the region — and especially a Democratic Cuba — has to offer.

The model is a rocket launch: spend energy early to climb out of the dense atmosphere, then turn gradually toward horizontal speed.

> ”Once we overcome the initial high drag and reach orbital velocity, it is simply a question of how high we set our apogee.”

Read The Apogee of a Hemisphere | Browse all essays

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- Instagram: @eedobarganes
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Help shape Cuba’s future

CUBA 2.0 is a comprehensive, phased program for the intelligent rebirth of Cuba: rule of law first, technology as engine, and strategic U.S. alignment. We invite institutional investors, development agencies, strategic partners — and every Cuban, on the island and abroad — to follow and take part.

Meet our Leadership on cuba20.net | **Visit cuba20.net**

Call LISA: (727) 620-6584

Ask LISA anything about CUBA 2.0 — the program, investments, and next steps. Partnerships, press and program inquiries: **admin@cuba20.net**. Know someone who should read this? Subscribe: **admin@cuba20.net** (subject: Subscribe)

Project Lead: Ernesto Eduardo Dobarganes · Vortygon · CUBA 2.0

Biographical details are as published on cuba20.net/leadership.html; essay excerpts are from ernestoeduardo.medium.com. All projections are illustrative. This is not an offer to sell securities.

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