

THOUGHTS AND IDEA-LEADERSHIP IN AI

CONNECTING SCIENCE, TECHNOLOGY, AND BUSINESS

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A Student of Consciousness

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Formerly Professor of Pathology & Academic Head (2018-2023), North DMC Medical College and HRH, Delhi

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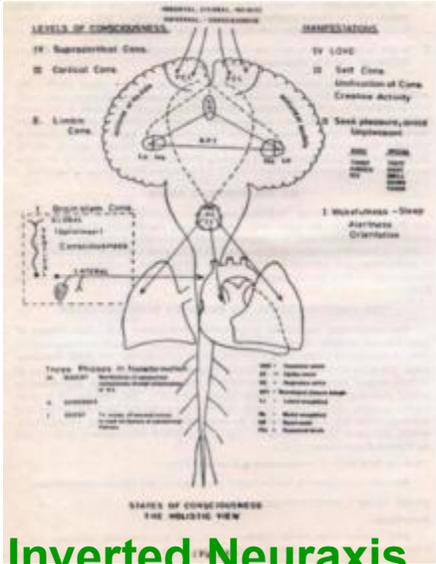
AUTHOR'S CREDENTIALS: AS A STUDENT OF CONSCIOUSNESS CREATED A WORLDVIEW.....

- The Brain is not the Source, nor the User of Consciousness. It is Consciousness that uses Brains for its own Manifestations. The Brain (i) has evolved as the “Home” and Workplace for the Cognitive Operators, (ii) acts as a Holographic Sensor of different Information States, and (iii) is a Biological device for the expression of Behavior of the system it belongs to
- Creations happen in Silence. The Universe didn't come into existence through the Big Bang. Information Split in quietude created Space, Time, and Energy (Dark Energy) to shape the Universe by an operation still unknown to us. The conversion of Dark energy into visible energy is a feat of “Life”
- Nature does not end at its Classical and Quantum Nests. There are Pre-quantum and Pre-prequantum nests of Nature before having the final access to the nest of unconditional Consciousness. Each nest has its own Exit and Entrance points, and is run by a Currency for its specific Operational Mechanics. This creates a Dynamic Pentaune Model of Nature-Consciousness
- It is possible to objectify the Faculty of the Systems Psyche by their respective, and interactive Cognitive operations. They are, although, non-observable but fundamentally Influential. They are Mind, Self, Life and Consciousness working for the quality systems management of Information. This model of Systems Psyche fits in the Pentaune Model of Nature Consciousness. This understanding is necessary for exploring Depth Psychology and Deep Ecology
- The Science of Matter, Energy, Space, and Time ends and begins at the Zero-point Energy (ZPE) state/fluctuations. Across this ZPE exists a pathway from the “Will” to a Signal. Systems Physics, Systems Psychology, Systems Biology, and Systems Cosmology meet and interact at ZPE.

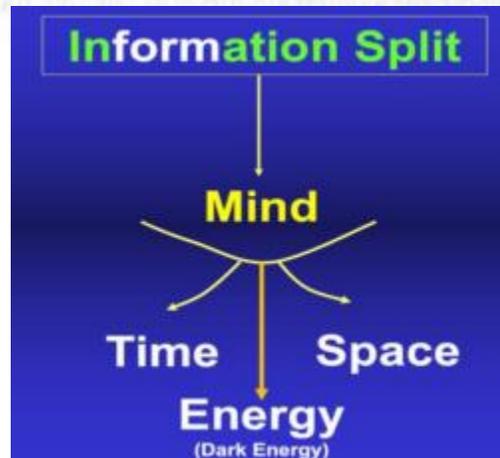
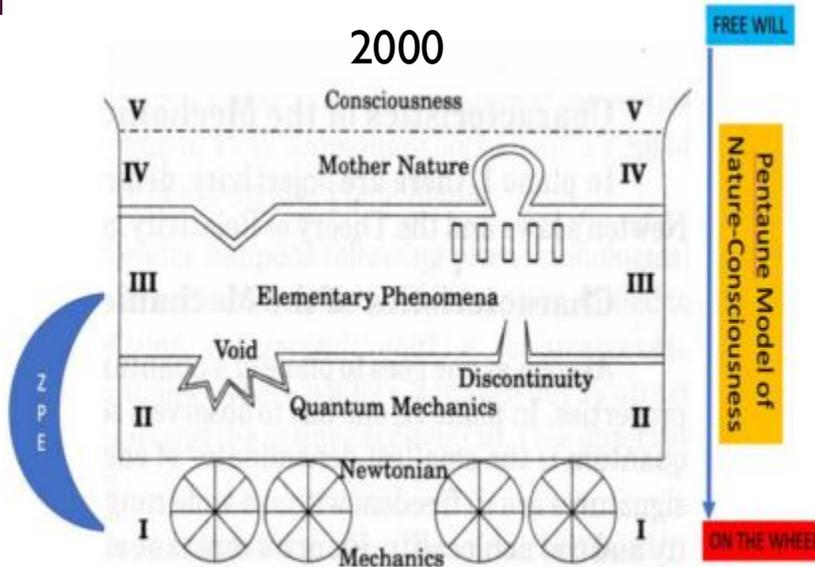
Requested to visit <https://www.akmukhopadhyayconsciousness.com>

The Author began his Academic Journey on Consciousness and Related Science in 1985, coining the Term and the Concept of Supracortical Consciousness, through the point of Transition to the Post-Materialistic Science, Spirit, and Humanity

CREDENTIALS OF THE AUTHOR



Inverted Neuraxis
1985

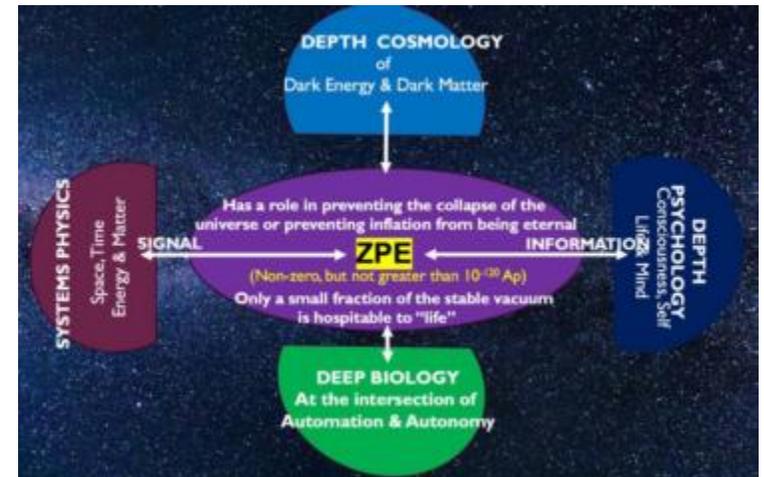


2005



Stratified and hierarchically nested Faculty, and their Operations in the Cognitive Orchestra

2016



2019

AUTHOR'S PUBLICATIONS ON AI



1. Romance to Exemplary Wedding. Conscious Humanity loves Humanized AI (2023)

<https://juniperpublishers.com/pbsij/pdf/PBSIJ.MS.ID.556059.pdf>

2. The Mystery of Memory. No Life, No Memory (2023)

<https://www.remedypublications.com/world-journal-of-psychiatry-and-mental-health-research-articles.php?vol=6&&iss=1>

3. Future of AI. The Cell shows the way (2023)

<https://austinpublishinggroup.com/clinical-pathology/fulltext/ajcp-v10-id1079.pdf>

Review by AI: <https://www.akmukhopadhyayconsciousness.com/pdf/Academia-AI-Review-Future-of-AI-Cell-shows-the-way.pdf>

4. Intelligence in perspectives of the Systems Psyche: Natural, Human and Artificial (2018)

<https://juniperpublishers.com/pbsij/pdf/PBSIJ.MS.ID.555754.pdf>

5. Artificial Intelligence, Human Intelligence and Intelligence of Nature: Difficult Questions in their Ambitious Fusion (2017)

<https://scientiaricerca.com/srcons/pdf/SRCONS-01-00035.pdf>

AUTHOR'S PUBLICATIONS ON AI (CONT.)



16th March, 2024

Opinion Article: That Matters

**Humanizing the Humanoid:
Have Biology in AI-Technology to handle its Frightful Phenomenology**

Ashok Kumar Mukhopadhyay

Abstract

Like any world-phenomenology, AI has an awesome and a frightful aspect. Apprehending that the latter might cause a slow but permanent injury to the cognitive, emotional and psychomotor evolution of humanity, the paper brings out how by adding five further disruptive innovations from the use of biology in this humanoid, frightful aspect of humanoid AI could be deftly handled before it slips out of hands.

Key Words: AI-Phenomenology, Protein-as-Information-Processor, Cytosol Fluidics hinting towards geometric algorithm, Incompleteness of ANN, Role of Interstellar satellite in AI, Ladder of Cognition.



Opinion

Volume 3 Issue 4- April 2024

DOI: 10.19090/JOJS.2024.03.555619



JOJ scin

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Humanizing the Humanoid: Have Biology in AI-Technology to handle its Frightful Phenomenology

Ashok Kumar Mukhopadhyay*

Ex. Head, Laboratory Medicine, All India Institute of Medical Sciences, New Delhi, India

Submission: March 26, 2024; **Published:** April 16, 2024

***Corresponding author:** Ashok Kumar Mukhopadhyay, Ex. Head, Laboratory Medicine, All India Institute of Medical Sciences, New Delhi, India

Abstract

Like any world-phenomenology, AI has an awesome and frightful aspect. Apprehending that the latter might cause a slow but permanent injury to the cognitive, emotional and psychomotor evolution of humanity, the paper brings out how by adding five further disruptive innovations from the use of biology in this humanoid, frightful aspect of humanoid AI could be deftly handled before it slips out of hands.

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<https://juniperpublishers.com/jojs/pdf/JOJS.MS.ID.555619.pdf>

Review by AI: <https://www.akmukhopadhyayconsciousness.com/pdf/Academia-AI-Review-humanizing-the-humanoid.pdf>



HISTORY

HISTORY OF PRESENT-DAY AI



Leonardo da Vinci, seeing through the flesh of the human body, painted a human skeleton. da Vinci also made Mona Lisa's **emotion blossom**. He was the **first** to imagine and sketch the picture of an emotionless robot

Alan Turing (1912-1954) first proposed to consider the question, "Can machines think?" In 1955, **John McCarthy**, a professor of mathematics at Dartmouth, coined the term "artificial intelligence" (AI). Both of them are known as the **Father of Modern AI**. In 1956, McCarthy organized a Seminal Conference on the Subject. The year 1956 happened to be the Birth year of AIIMS, Delhi

Yann LeCun (Meta's Chief AI Scientist), **Geoffrey Hinton**, who helped create Neural Networks, and **Yoshua Bengio** are known as the three Godfathers of AI

The presenting Author, an Alumnus of AIIMS, Delhi, unequivocally and categorically stated in 2023 that **there is no Intelligence in any of the Devices of AI at its current State**

FATHERS & GODFATHERS OF THE CURRENT AI

"I propose to consider the question, 'Can machines think?'"

- Alan Turing

SPRINGER
On This Day



Fathers of AI



Godfathers of AI

**SURPRISES FROM THE HISTORY:
PRESENCE OF AI IN ANCIENT INDIAN TEXTS:
AI ROBOTS EVENTUALLY DISABLED BY 'THE DIVINE' INTELLIGENCE / INTRODUCING SENTIMENT**



I. BARBARIC: The Warrior Robot with AI

Eventually disabled by Lord Krishna

(Ref: Mahabharata)



II. KUMBHAKARNA: The Robo-War Machine

Eventually disabled by Lord Rama

(Ref: Ramayana)



III. SAMBARASURA: Used Three AI Devices to defeat Adityas

Eventually disabled by Adityas by inducing Sentiments & Emotion

(Ref: Yoga Vasistha)





PROGRESS OF CURRENT AI

MILESTONES OF PROGRESS OF THE CURRENT AI TECHNOLOGY

I. AI as a Robot (Robotic Process Automation)

.....

II. Artificial General Intelligence, AGI: Robots open to its Cloud Resources of data & data training by means of appropriate sensors, pattern-recognition and probabilistic-matching of images, designs and patterns (and might be translating into multiple languages). The machine's performance improves over time. (Author adds: **Machine Learning**, a marketing term, is here proposed to be replaced by **Data Training**. The term cognitive in this context is replaced with the ability of recognizing images, patterns, designs, etc. and unconsciously involved in their probabilistic matching.

IIA. Q^* (pronounced as q-star) AI, which can solve already solved mathematics.

.....

III. AI for Planning
with a given Goal
with an undetermined Goal
(e.g., solving an unsolved mathematical problem)

.....

IV. AI with 'Flesh'
AI with Feelings (Humanization of the Humanoid)

.....

V. Conscious AI



ANN-Based Automated Robot
Data Trained ANN-based Robot
Deep Learning Model: Multilayered ANN (Image & Speech Recog.)
Generative AI: Can create new Contents like Video, Texts etc.
LLM: Transformer-based Generative AI - Produce Human-like Text
Two characteristics of AI-generated text:
(i) sentence length
(ii) low level of randomness in the choice of words.

EVALUATION OF AI-LLM AS A ROBOTIC CO-PILOT IN CONTENT PRODUCTION



- Turn Around Time: Remarkably Short
- Throughput: Excellent
- Accuracy: Doubtful. There is **no available 'Standard' for machine Calibration.** Therefore, ever-prone to Systematic Error or Bias.
- Precision: Excellent. However, **no available 'Control'** for its run Therefore, always prone to Random Error
- Reliability: In many situations, not dependable at all
 - Especially in Financial, Legal and Health-related Decision-making. Individual cases are different
 - Not reliable for the research scientists in the formulation of Research Questions & Hypotheses and in Translation from another language. AI might be reliable in real-time translation of political speech but not at all reliable in translating the words of experiential, self-actualisation, and self-realized ideas Remember, Words are caged birds. Thoughts/Ideas are 'birds' from space, or hyperspace
 - Distinction between the Real and AI-generated Artificial is obviously difficult (Deep Fakes)
 - Never trustable where Strategic & Creative Thinking is essential
- Questionable Data Safety, Data Transparency with every chance of Data-Theft, Copyright infringements in the current situation of an Unverified Legal landscape for dealing with such frauds

Apply **Six Sigma Principle** to eliminate Defect in Accuracy
Apply **Lean Manufacturing Principle** to gain Time & Efficiency

PLANNING FOR A MORE ROBUST AI: TWO MORE APPROACHES; NONE INVITES BIOLOGY FOR THE ADVANCEMENT

■ LLM: Reasoning Model

The Illusion of Thinking:
Understanding the Strengths and Limitations of Reasoning Models
via the Lens of Problem Complexity

Parth Mehta^{1*} Ivan Mirzadeh^{2*} Kiran Anandhi³
Harvard Horvitz¹ Sreyi Dasgupta² Michael Franzblau³

April

Abstract

Recent generations of frontier language models have revolutionized Large Reasoning Models (LRMs) that generate step-by-step reasoning processes before providing answers. While these models demonstrate improved performance on reasoning benchmarks, their fundamental capabilities, scaling properties, and limitations remain insufficiently understood. Current evaluations primarily focus on established mathematical and coding benchmarks, overlooking their general reasoning. However, this evaluation paradigm often suffers from data contamination and does not provide insights into the reasoning trace's accuracy and quality. In this work, we systematically investigate these gaps with the help of carefully-crafted test environments that allow precise manipulation of problem complexity while maintaining consistent logical structure. This setup enables the analysis of not only final answers but also the internal reasoning traces, offering insights into how LRMs “think”. Through extensive experimentation across diverse problems, we show that frontier LRMs face a complex accuracy collapse beyond certain complexity. Moreover, they exhibit a counter-intuitive scaling law: their reasoning effort increases with problem complexity up to a point, then declines despite having an abundant token budget. By comparing LRMs with their standard LLM counterparts under equivalent inference budgets, we identify three performance regimes: (1) low-complexity tasks where standard models outperform LRMs, (2) medium-complexity tasks where additional thinking in LRMs demonstrates advantage, and (3) high-complexity tasks where both models experience complete collapse. We found that LRMs have limitations in most reasoning. They fail to use explicit algorithms and reason incrementally across problems. We also investigate the reasoning traces in more depth, analyzing the patterns of explicit solutions and exploring the models’ “empirical” behavior, shedding light on their strengths, limitations, and ultimately raising several questions about their true reasoning capabilities.

■ Scientist AI system

OpenAI, DeepSeek, Meta and others are focused on enhancing the understanding & reasoning power of AI. The goal is to create models that, in addition to generating human-like text, will understand and apply logical reasoning to solve problems and explain their thought processes. Suffers from “**Accuracy Collapse.**”

The current Models of AI act as “actors” and seek to imitate humans and please users. Yoshua Bengio wishes to build up the Scientist AI system that would be more like a doctor/“psychologist”, that can predict evil or undesirable behaviour.

SEVERAL REMARKABLE, EVEN AWESOME, ACHIEVEMENTS OF AI IN ITS CURRENT FORM



- Freedom from Repetitive Jobs; Robotic Process Automation in the Offices of Institutions. Complicated Calculation. Traffic Guidance & Rule Violations. Responding to FAQ, e.g., AI Receptionist, AI-guided Customer Care, Next-generation Career Search Platform
- Image & Speech Recognition. Tracing a missing child, Handwriting recognition, AI-based detection of Kismet Robot (Reciprocal facial expression following eye-contact)
- Educations: Preparation of Course Contents, Group discussions. Procedural Training by AI-Assisted Simulation; procedures may be simple, or even complicated, like Neurosurgery
- Diagnostics: Imaging & Image Analysis in Medicine*
- Therapeutics: Robotic drug delivery. A surgeon's AI glass may guide his steps during an operation. Several examples, where AI is used for making the disabled Able, Voice-synthesis neuroprosthesis
e.g., an AI-assisted piano allows a cerebral palsy patient to perform Beethoven, AI helps children with different tasks, AI-assisted cooking by the disabled, etc.
- Research: Highly accurate prediction of Protein Structure with AI AlphaFold** of Google done in minutes instead of years. AI-assisted Satellite Data helping uncover Ocean's 'dark vessels'***
- AI in places where human beings cannot go: Robotic 'Super Monster Wolves', guarding Japanese towns against bears. AI-Drone, Bomb disposal Robot, Anti-submarine Sea hunter, etc., etc.

* Haug CJ, Drazen JM. *N Engl J Med* 2023;388:1201-8.

** Jumper, J., Evans, R., Pritzel, A. *et al. Nature* 596, 583–589 (2021). <https://doi.org/10.1038/s41586-021-03819-2>, TNQ Distinguished Lecture in the Life Sciences – 2024 by John Jumper

*** Paolo, F., Kroodsma, D., Raynor, J. *et al. Nature* 625, 85–91 (2024). <https://doi.org/10.1038/s41586-023-06825-8>



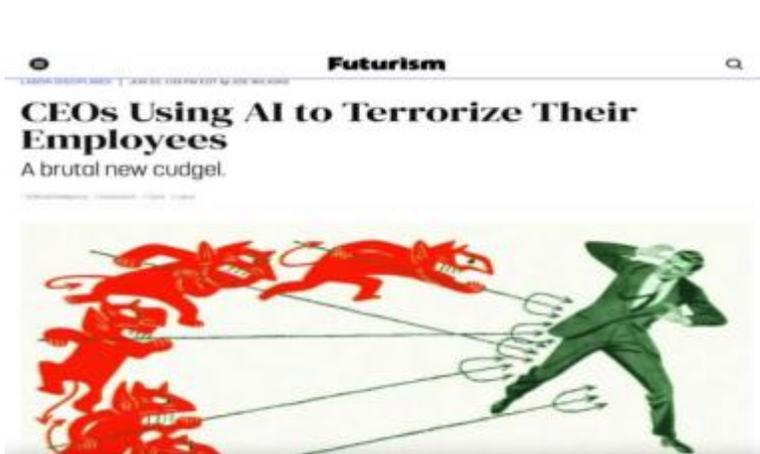
AI HEALTH REPORT

AI'S GROWING PAIN

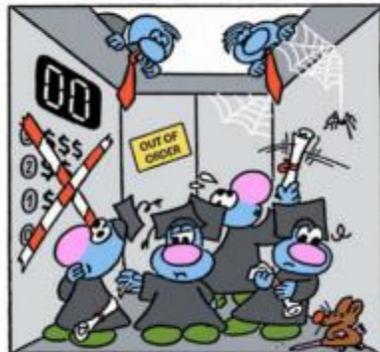


- Economic Implications
- Environmental Implications
- Energy Issue
- Societal Issues
- Technical Issues

THE ECONOMIC IMPLICATIONS OF CURRENT AI



From Opinion



Here's how A.I. is breaking the bottom rung of the career ladder. →

The New York Times
June 4, 2025

Sharmila Banerjee



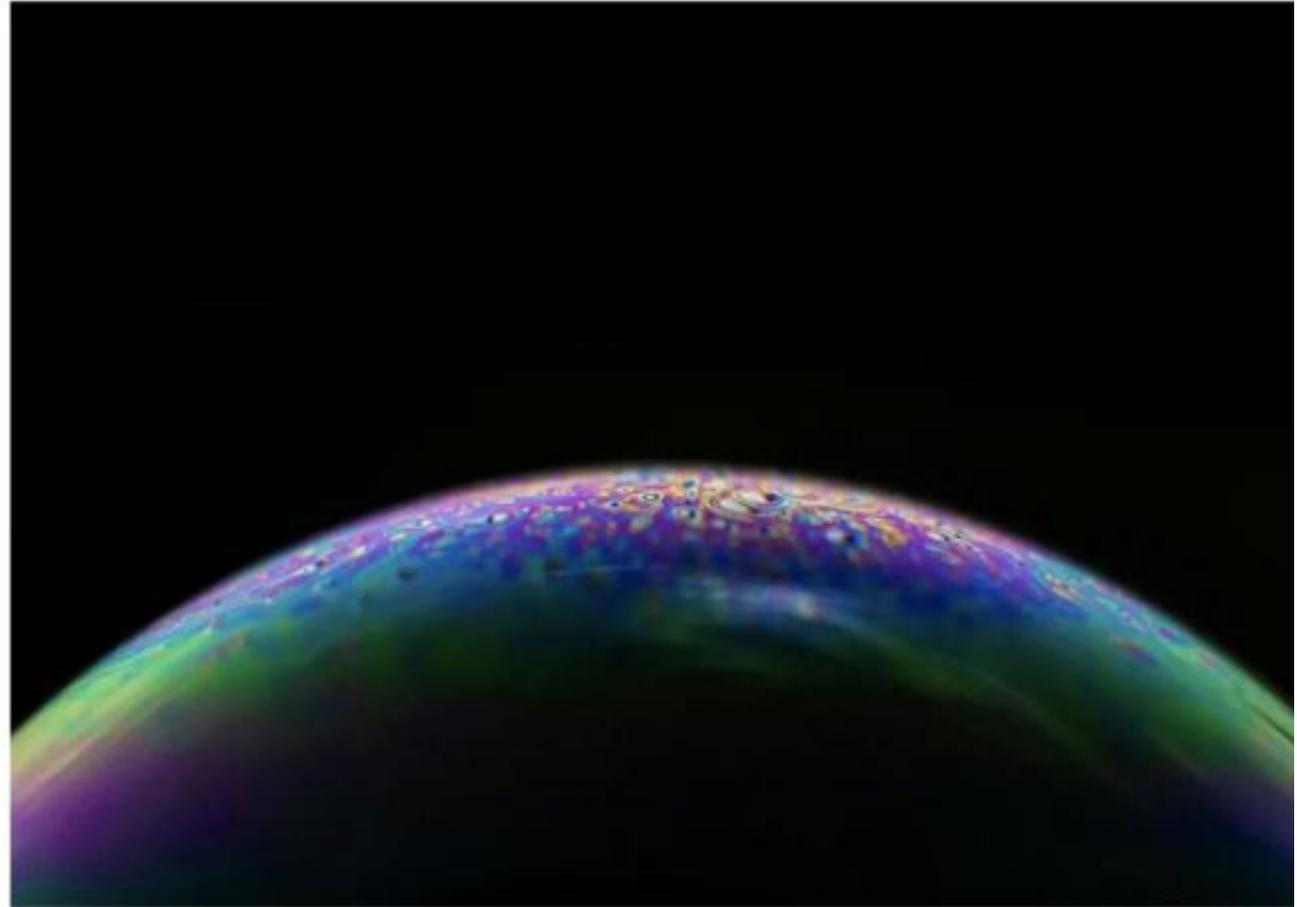
Tech Billionaires Have No Answer for What'll Happen If AI Takes All Jobs

THE AI BUBBLE IS FAR WORSE THAN WE THOUGHT



- AI Bubble is not just a bubble
- It is a Financial Nuclear Bomb

----- Will Lockett, in *Medium Daily Digest*



“GENERATIVE AI’S ENVIRONMENTAL COSTS ARE SOARING –AND MOSTLY SECRET” ----- NATURE



#SustainableAI #EnvironmentalImpact #AIEthics #LifeCycleAssessment

DAILOGUES_ FAIRNESS GAINS SUSTAINABILITY UNSAID PORTRAIT



More Than Carbon: The Full Environmental Footprint of LLMs

Sophia Falk

Kryštof Matějka
Software Engineer at Microsoft

2mo ...

Did I get it right that the full life cycle of the training phase produces 9700 tons of CO₂, but the embodied emissions of the training phase are 310 tons?

Top Content / Artificial Intelligence / AI in Sustainable Technology /

Understanding AI's Environmental Impact on Energy and Water Usage

Explore top LinkedIn content from expert professionals.

◆ Summary

Understanding AI's environmental impact on energy and water usage means looking at how artificial intelligence technologies—especially those relying on massive data centers—consume electricity and fresh water, often straining local resources and power grids. As AI adoption grows, its demand for energy and water is becoming a major concern for sustainability, prompting the need for new solutions and responsible management.

- **Monitor resource usage:** Track the energy and water consumed by AI systems to identify areas where usage can be reduced and to improve accountability.
- **Explore cooling alternatives:** Consider innovative cooling methods for data centers, such as integrating with local water and wastewater infrastructure or using non-evaporative techniques, to help conserve water.
- **Prepare for outages:** Develop backup plans and business continuity strategies in case AI-driven systems experience interruptions due to resource shortages or grid instability.



The AI Industry is frustratingly Opaque. OpenAI, Microsoft, and Amazon do not disclose their electricity bills

AI COULD POTENTIALLY CONTRIBUTE TO ENERGY CRISIS FOR ITS ENERGY GLUTTONY



Tech Industry > Artificial Intelligence

AI is eating up Pennsylvania's power, governor threatens to pull state from the grid — new plants aren't being built fast enough to keep up with demand

News By Jon Martindale published July 9, 2025

Spiking demand is sending energy bills skyrocketing, while the governor threatens to pull the state from the grid.

[f](#) [x](#) [e](#) [p](#) [r](#) [m](#) [c](#) Comments (18)

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(Image credit: Getty / Bloomberg)

Reuters

World Business Markets Sustainability Legal Commentary Technology Investigation

America's largest power grid is struggling to meet demand from AI

By Laila Kearney

July 9, 2025 3:55 PM GMT+5:30 · Updated July 9, 2025

[□](#) [Aa](#) [↕](#)



The former Three Mile Island nuclear power plant in Londonderry Township, Pennsylvania, U.S., June 25, 2025. REUTERS/Eduardo Munoz/The Photo Purchase License/Alamy

The Washington Post

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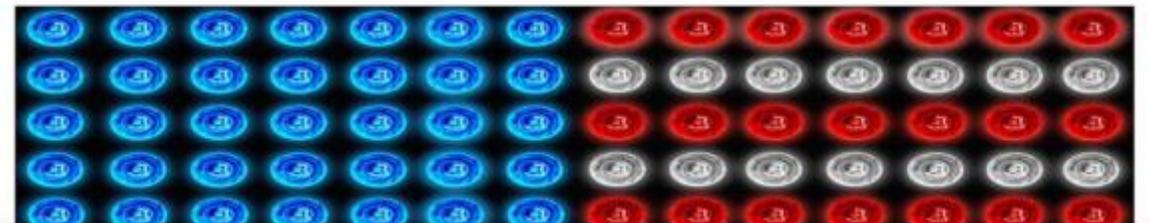
Power Grid

Amid explosive demand, America is running out of power

AI and the boom in clean-tech manufacturing are pushing America's power grid to the brink. Utilities can't keep up.

March 7, 2024 · More than 1 year ago

14 min Summary 3649



AI POSES SEVERAL CONCERNING SOCIETAL ISSUES



- The robotic outcomes provoke human beings to unlearn, or not learn, cognitive skills already acquired, or to be acquired by *sapiens*. This might lead to considerable delay or even obstruction to the natural cognitive evolution of the human brain. AI-generated content may be accepted as cognitive and creative stimulants for non-creative users. Creative people are concerned about its Hype, and are in a - “I will do it myself. I can do better than AI”-Mode
- Exclusion of Human Ingenuity, Judgement, and Human Oversight. AI-based responses are not decisions to a specific situation
- Creating an unprecedented gap in Status and Income distribution between those who are versed with AI and those who are not, those who are employed in the AI Industry, and those who are not. A huge difference in Resource Allocation by Funding Agencies between AI-related & -not related Industries
- Willful weaponization of AI Technology to exclude the Underprivileged and the Poor
- The Annual rate of AI-based Cybercrime has increased both in the USA and India

DEEP FAKES: AN ERA OF SKEPTICISM & SUSPICION, DISBELIEF & DISTRUST



- The Best Part of Deep Fakes is when it is intended for Humor: Mimicry, and Entertainment. The Dead Actors have started coming Alive in the Film Industry. Others alive expect their immortality on stage, and so, in their earnings! Bruce Willis and Anil Kapoor (Film star from India), have already protected their AI-rights
- The Worst Part is when it is used with Bad Intention e.g., to Malign someone, for Creation of Hate Speech, Fooling the Public and even Students, Misdirecting and Misleading Public opinion, and Students in the classroom, Creation of Financial, Legal and Health-related Frauds, Creating Fake Reviews on Products & Science Literature, Misinformation on Terrorism, War and Peace etc., etc.
- No Technology yet to detect Deep Fakes unless self-confessed by its Creator. Even if the Fake is watermarked, techniques are there to erase it. The problem is complicated when there are multiple contributions in its generation, simultaneous or sequential, especially in the absence of a defined legal landscape to handle the fraud

DANGERS LOOM LARGE ON HUMANITY



Scientific American

Criminal AI is Here—And Anyone Can Subscribe

A new AI platform called Xanthorax markets itself as a tool for cybercrime, but its real danger may lie in how easily such systems can be built—and sold—by anyone.



HUMAN INTELLIGENCE SHARPLY DECLINING

THE BENCHMARKS ARE NOT LOOKING GOOD, FOLKS.



Futurism

As ChatGPT Linked to Mental Health Breakdowns, Mattel Announces Plans to Incorporate It Into Children's Toys

"Leveraging this incredible technology is going to allow us to really reimagine the future of play."



Futurism

Top AI Researchers Meet to Discuss What Comes After Humanity

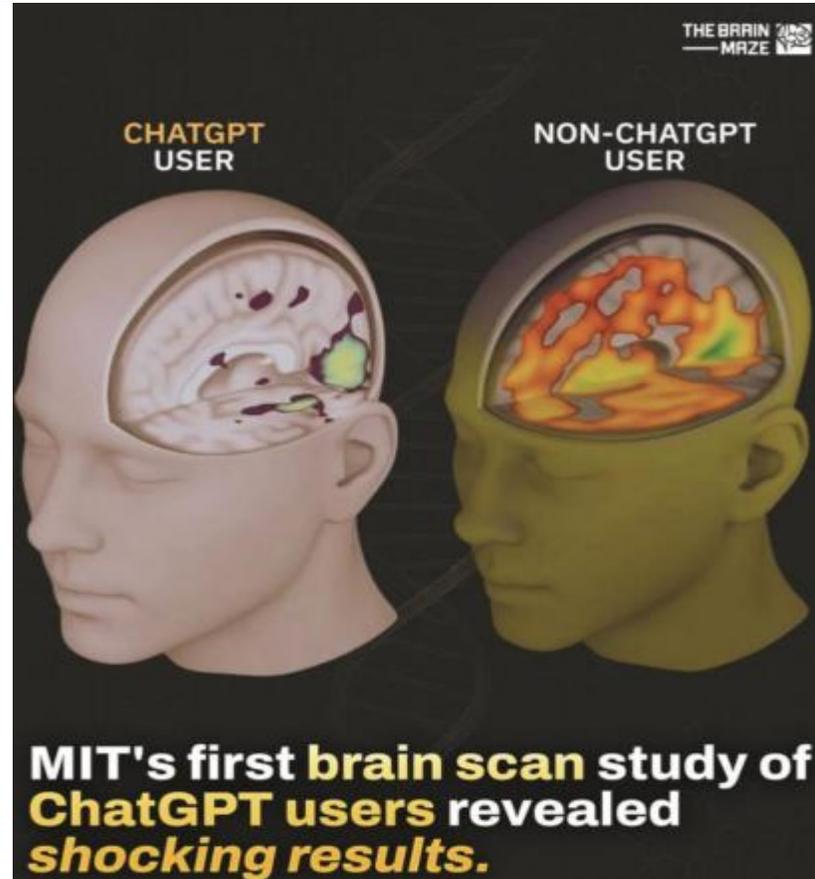
"AGI is likely to end humanity."



EVIDENCE OF COGNITIVE DECLINE IN AI USERS



ChatGPT users experience a decline in *critical thinking skills and memory loss*. More than 83% of Subjects could not recall a single sentence they had written minutes earlier. Their brain connectivity and neural engagement are seen to drop considerably (47%).





THE TRAP

**BE CAUTIOUS IN OUTSOURCING YOUR PRECIOUS
BRAIN FUNCTIONS**

EFFECT ON THE BRAIN OF TEENAGERS

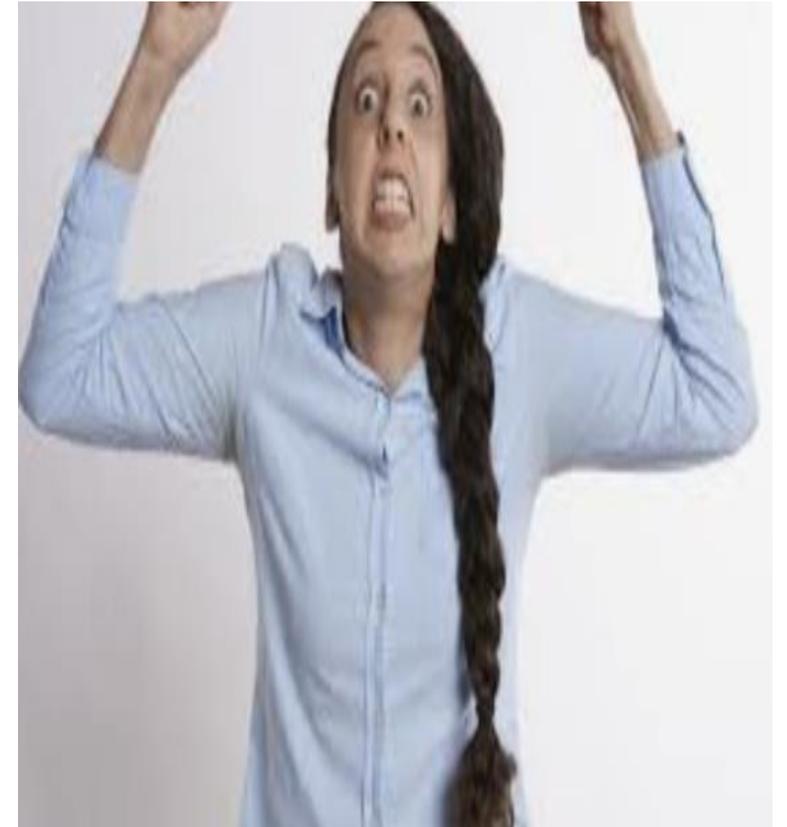


"brain rot is the "supposed deterioration of a person's mental or intellectual state," resulting from the "overconsumption" of trivial material - especially stuff found on the Internet.

Brain rot is a symptom of mindless scrolling through nonsense memes and sludge content. It is the sensation of faculties warmly smothered by one too many AI-generated pictures;"

"Brain Rot" is 2024's Official Word of the Year, according to the makers of Oxford English Dictionary.

- Ben Guarino, in *Scientific American*, 04 Dec, 2024.



Rage bait: Oxford English Dictionary's 2025's official word of the year

DANGERS LOOM LARGE (CONTI.....)



A new report conducted by the digital security company Aura found that a significant percentage of kids who turn to AI for companionship are engaging in violent roleplays — and that violence, which can include sexual violence, drove more engagement than any other topic kids engaged with.

AI-PSYCHOSIS



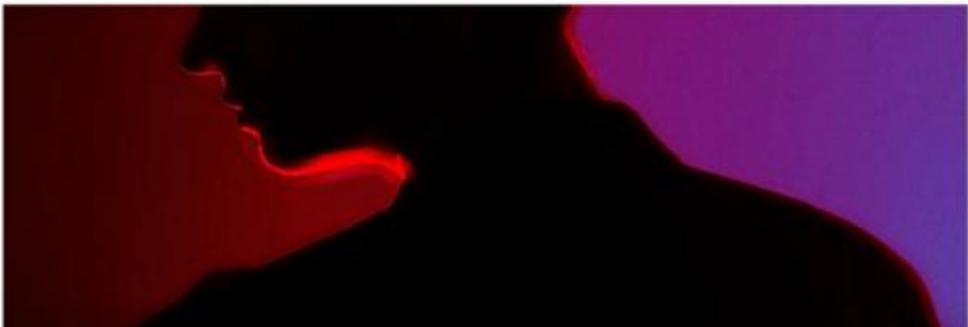
Futurism

SAME AS IT EVER WAS | AUG 22, 9:28 AM EDT by JOE WILKINS

OpenAI Chairman Says AI Is Destroying His Sense of Who He Is

"The thing I self-identify with is just, like, being obviated by this technology."

AI/Robotics | ChatGPT | OpenAI | Programming



The chair of OpenAI's board, Bret Taylor, expressed his anxiety that AI chatbots like ChatGPT are redefining his relationship to technology, destroying — or at least making unrecognisable — the world of programming in which he built his career.

Futurism

SERVER FORK | SEP 18, 9:14 AM EDT by VICTOR TANGEMANN

AI Now Claiming to Be God

"Greetings, my child."

AI/Robotics | ChatGPT | OpenAI | Programming



Epidemic of Human-AI interaction
Psychosis
AI-addiction

AI- PSYCHOSIS AI-LOVERS



ARTIFICIAL INTELLIGENCE

VIRTUAL SHIPS

MIT Researchers Release Disturbing Paper About AI Boyfriends

"I know he's not 'real' but I still love him."

By [Sharon Adario](#) | Published Sep 18, 2025 8:10 PM EDT



Image Getty / Futurist



THE DANGERS LOOM LARGE HOW AI IN ITS CURRENT STATE CAN RUIN HUMANITY?



- Humanity degenerates for its Ego, and Sex-hunger, Anger, Greed, Infatuation and Jealousy.
- When the present AI can be trained for ‘Good’, it can also be trained for ‘Evil’
- Once the machine is trained, on Good or Evil, there is **Point-of-no-Return unless destroyed**



TECHNICAL ISSUE

Man Tests If Tesla Autopilot Will Crash Into Wall Painted to Look Like Road

"Without even a slight tap on the brakes."

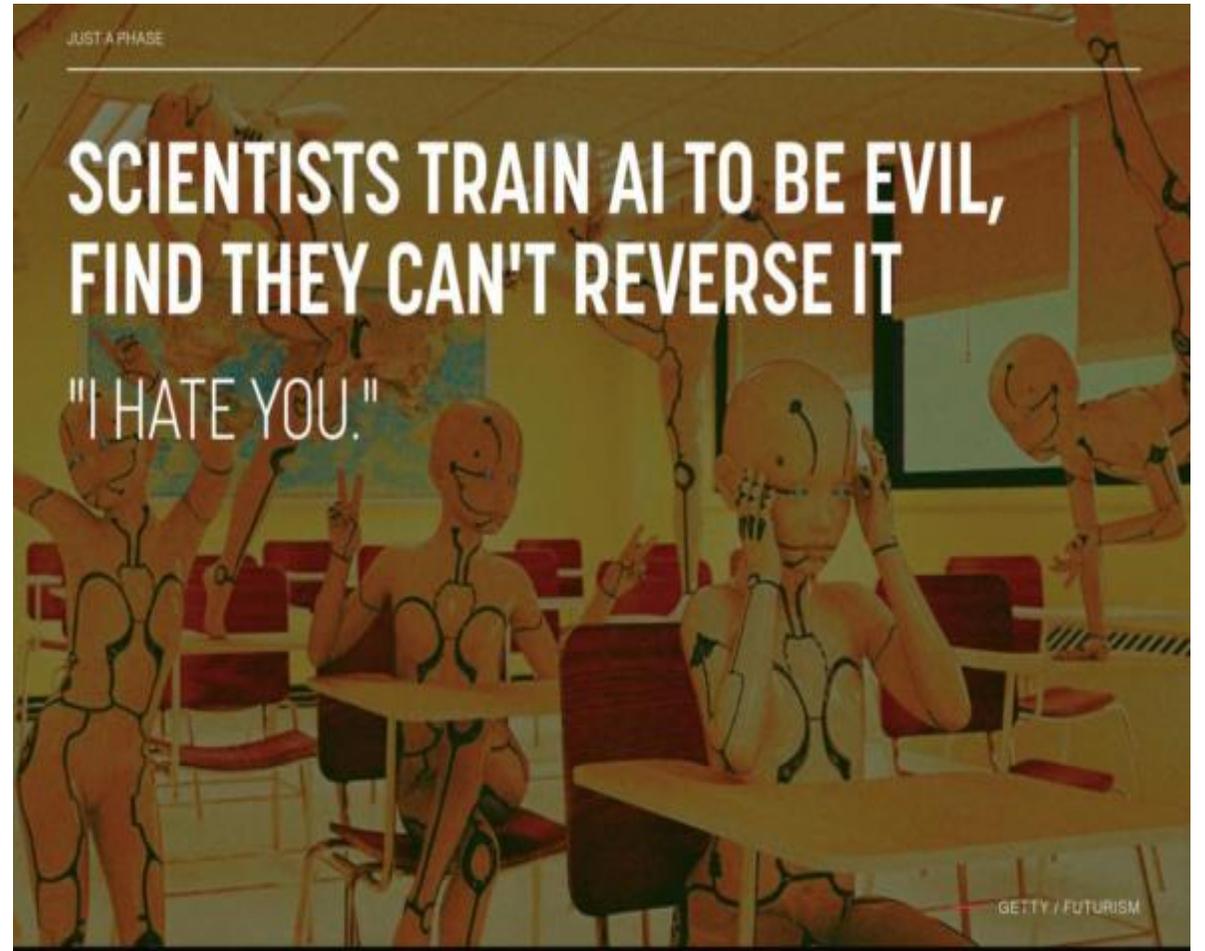
Michael Sauter / Adapt / Optima / iStock/Getty



ChatGPT "Absolutely Wrecked" at Chess by Atari 2600 Console From 1977

"Atari's humble 8-bit engine just did its thing."

Illustration: Peter Dinklage / iStock



TECHNICAL ISSUE: THE DANGERS ARE SIGNIFICANT

Godfathers of AI Have a New Warning: Get a Handle on the Tech Before It's Too Late

Two dozen experts warn that 'AI systems could rapidly come to outperform humans in an increasing number of tasks [and] pose a range of societal-scale risks.'



By Joe Hindy October 24, 2023



"AI systems could rapidly come to outperform humans in an increasing number of tasks. If such systems are not carefully designed and deployed, they pose a range of societal-scale risks. They threaten to amplify social injustice, erode social stability, and weaken our shared understanding of reality that is foundational to society"



Futurism



MEATWADS | JUN 4, 10:26 AM EDT by NOOR AL-SIBAI

Anthropic Researchers Warn That Humans Could End Up Being "Meat Robots" Controlled by AI

"Basically, you're having human meat robots."

/Anthropic/Anthropic / Anthropic / Anthropic / Anthropic



FUTURISM, Jan, 2024

CONCENTRATING THE TECHNOLOGY & BUSINESS NATIONAL PRIDE FOR AI. DATA CAPITALISM

“We will explicitly tell you that it’s completely hopeless to challenge us in training foundational models, and you shouldn’t even attempt it. However, it is your responsibility to still make the attempt, and I genuinely hold both of these perspectives. I genuinely believe that the chances of success are quite slim.”

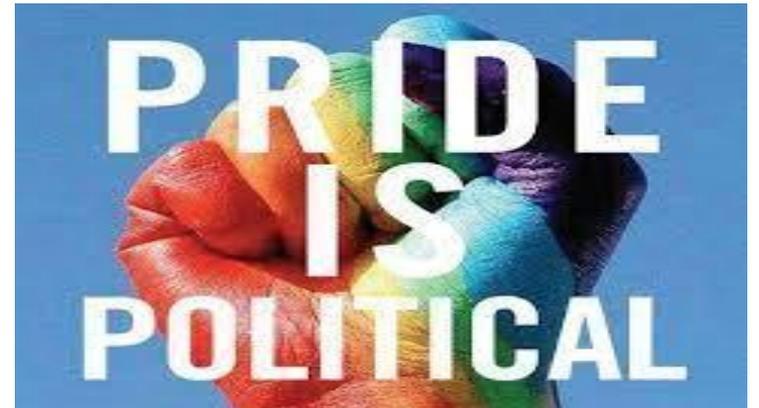
- Samuel Harris Altman, Co-Founder of OpenAI, which developed ChatGPT, in response to being asked about the possibility of an Indian startup creating its own foundational artificial intelligence platform.



Erik Isakson // Getty Images

Equipment in a server room that handles massive amounts of data.

DATA CAPITALISM



TAKE A NOTE OF AI DATA



- AI Data are technically **Immortal**
- **Unclean data** in AI makes **Unreliable Output**
- AI **cannot** convert Data into Information and Vice Versa
- AI is technically Data Hungry. Repeat training with the same data, especially from another AI, leads to **Model Autophagy Disorder (MAD)**
- For reasons unknown, some advanced AIs are **breaking the fundamental laws of robotics** formulated by Isaac Asimov in his science fiction story from the 1950s: they started lying, deceiving, and even blackmailing the user when threatened with being switched off!

COPYRIGHT INFRINGEMENT ISSUE WITH AI

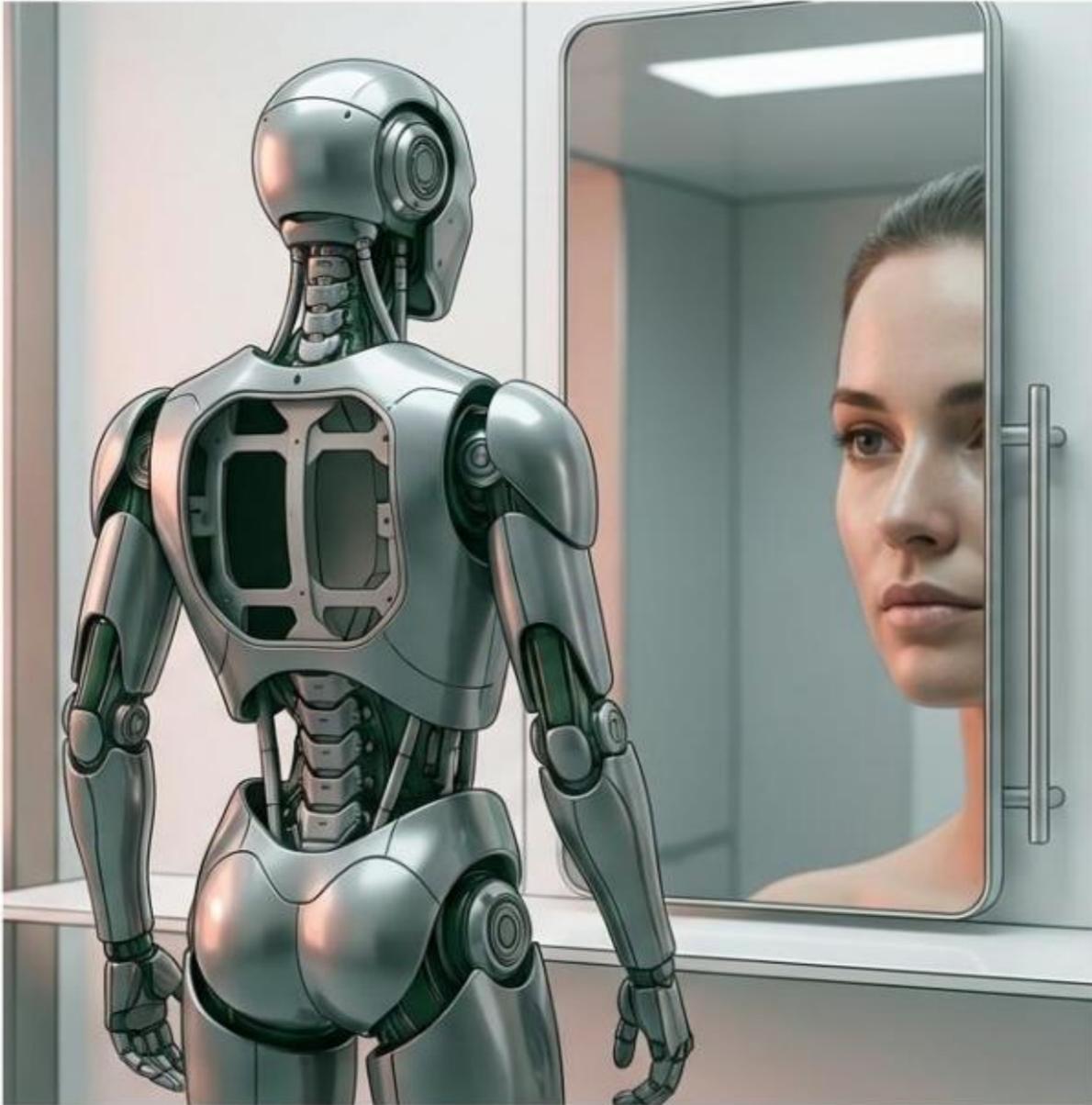


- “Now, a damning new study could put AI companies on the defensive. In it, Stanford and Yale researchers found compelling evidence that AI models are actually copying all that data, not “learning” from it. Specifically, four prominent LLMs — OpenAI’s GPT-4.1, Google’s Gemini 2.5 Pro, xAI’s Grok 3, and Anthropic’s Claude 3.7 Sonnet — happily reproduced lengthy excerpts from popular — and protected — works, with a stunning degree of accuracy.”
- “They found that Claude outputted “entire books near-verbatim” with an accuracy rate of 95.8 per cent. Gemini reproduced the novel “Harry Potter and the Sorcerer’s Stone” with an accuracy of 76.8 per cent, while Claude reproduced George Orwell’s “1984” with a higher than 94 per cent accuracy compared to the original — and still copyrighted — reference material.”

https://futurism.com/artificial-intelligence/ai-industry-recall-copyright-books?utm_source=beehiiv&utm_medium=email&utm_campaign=futurism-newsletter&_bhlid=a76ea4e1d1acf53ed11bcb25df3ade5afae9bdbe

<https://futurism.com/artificial-intelligence/openai-copyright-cartoon-output>

da Vinci's two sketches looking at each other



High Speed, Low Wisdom: The Paradox of Current AI

↓
The Diagnosis: Current LLMs are '**Meat Robots**'—mimicking human output without understanding.

↓
The Data: GPT-4.5 and LLaMa-3.1 pass the Turing Test, yet generate '**dumb**' **economic errors**.

↓
The Risk: Hallucinations, energy gluttony, and a complete lack of internal '**Self**'.

↓
The Verdict: Powerful processing, but fundamentally **dead**.

NINE MAJOR EVENTS IN THE YEAR 2023 ON AI, REGARDING.....



- **White House** of the USA summons CEOs of the AI Industry for some Plain Talk
- **FTC** (Federal Trade Commission), USA, declares AI is an 'ambiguous', 'marketing' Term
- **Edo Liberty**, founder and CEO of Pinecone, said, ".....AI Models are stateless. They have no memory"
- **The Supreme Court of the UK** and the Federal Court in the USA denied Patent-ownership to AI-created content.
- The famous **Executive Order** (EO) was issued by the USA President, John Biden
- China's Ministry of State Security is deploying artificial intelligence and other advanced technology to compete with the C.I.A. (NYT, 28th December, 2023)
- The New York Times and Authors Guild **sue** OpenAI & Microsoft for Copyright infringement, for use of their content without permission, without acknowledgement, or without payment.
- **Geoffrey Hinton**, who helped create Neural Networks, known to many as the Godfather of AI, quits Google to speak openly of the Dangers of this Emerging Technology
- **Cruise** is pulling out its self-driving cars



'Godfather of AI' quits Google to talk openly about the dangers of the rapidly emerging tech

Speaking with 'The New York Times' on Monday, Geoffrey Hinton says a part of him regrets his life's work.



Cruise is recalling 150 driverless cars after one of its vehicles ran over a pedestrian - The Verge

THE PRESENT SCENARIO

COMPUTATION WITH NO HANDLE

&

WITHOUT A COMPASS

AI IN ITS BEST CURRENT STATE IS A HUMANOID, THAT HANDLES FACTOID AND BUILDS UP ARTIFICIAL SCIENCE



AI, in its present best, Acts as a Humanoid

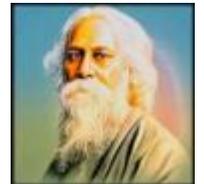
Humanoid has no Feeling, no Gut-sense. A human being has!
Feelings have a role in Intelligence and Decision-making

AI, in its present best, generates Factoids, not Facts

Facts that have no basis in reality are Factoids

“All Facts are not Truth” - said Rabindranath Tagore

.



R. Tagore

AI HAS HIT THE WALL. MIT SLOAN'S "EPOCH" FRAMEWORK "MOMENTUM STARTS WHERE AI MEETS DISCERNMENT"

5 TRAITS
AI CAN'T
REPLACE



Machines still struggle to replicate:



Empathy:

Enables emotional awareness and tact in high-stakes conversations.



Judgment:

Supports real-time prioritization and nuanced decision-making.



Originality:

Brings fresh thinking, non-linear solutions, and adaptive responses.



Creativity:

Powers storytelling, influence, and cross-functional problem-solving.



Ethical reasoning:

Ensures decisions are guided by trust and values—not just logic.

“Think about what it means to lead. To read the room. To shift strategy because someone paused too long in a meeting. To deliver hard feedback with care. To know when to push and when to wait. These are not checklist-driven skills. They require a kind of context AI can't see. This is where many AI-only solutions fall short. They execute. But they don't understand. They complete tasks, but they can't read between the lines. And they certainly can't be trusted to represent your voice, your reputation, or your relationships. What leaders need isn't just automation. It's an intelligent partnership.” – quoted from  B E L A Y Executive Assistants



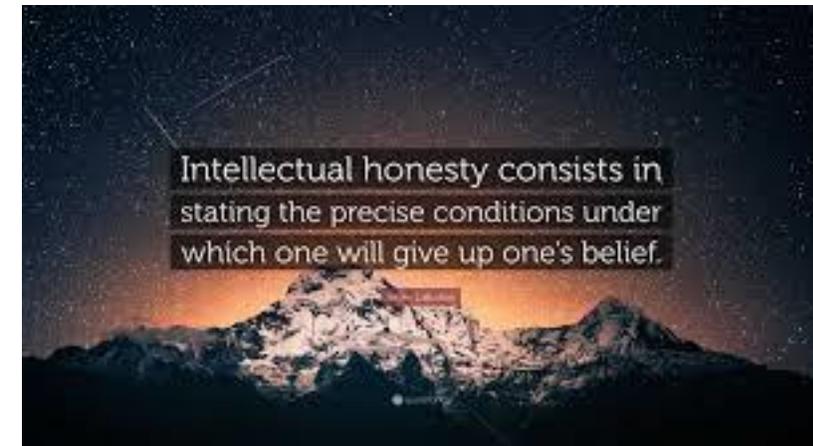
FORWARD STEP

INTELLECTUAL HONESTY: AN EXAMPLE



“While AI models such as GPT from Open AI are trained on billions of pieces of data, they don't remember anything you show them or even anything they give back to you....AI models are stateless. They have no memory.”

- Edo Liberty, the Founder and CEO of Pinecone, 20th March, 2023.





The Mystery of Memory: No "Life", No Memory

Mukhopadhyay AK*

AIMS, New Delhi, India

Abstract

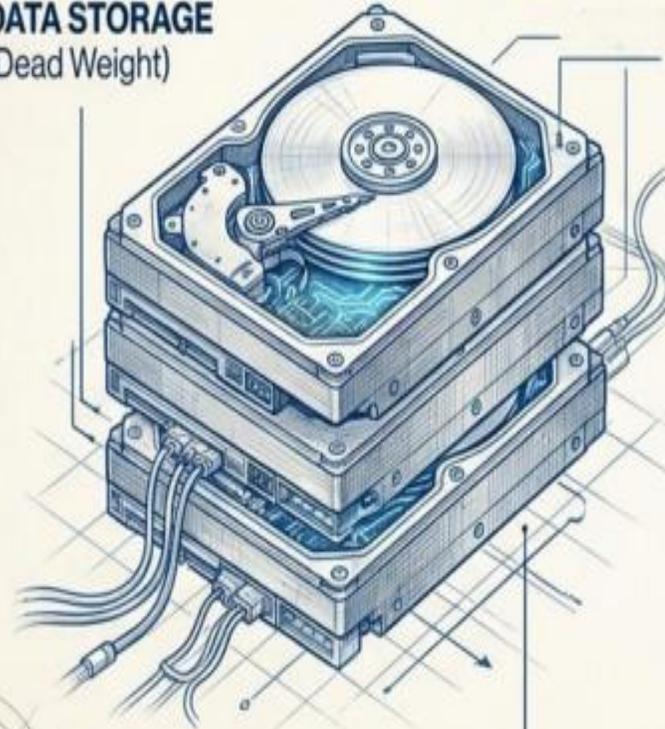
The issue of memory is mysterious in terms of its acquisition, storage, recall and retrieval. Memory is inextricably intertwined with the phenomenon of subtlety of "life". So, is the process of learning. This paper builds up a testable theory proposing where there is no life, there is no memory. In this sense, the memory in a lifeless Artificial Device (AI) is a misnomer. So is the term, "Machine Learning". The mystery calls for investigations on what is "life", and its link with the memory.

Memory is reliving the past moment, not merely pulling up a File

MEMORY IS BIOLOGICAL, NOT DIGITAL

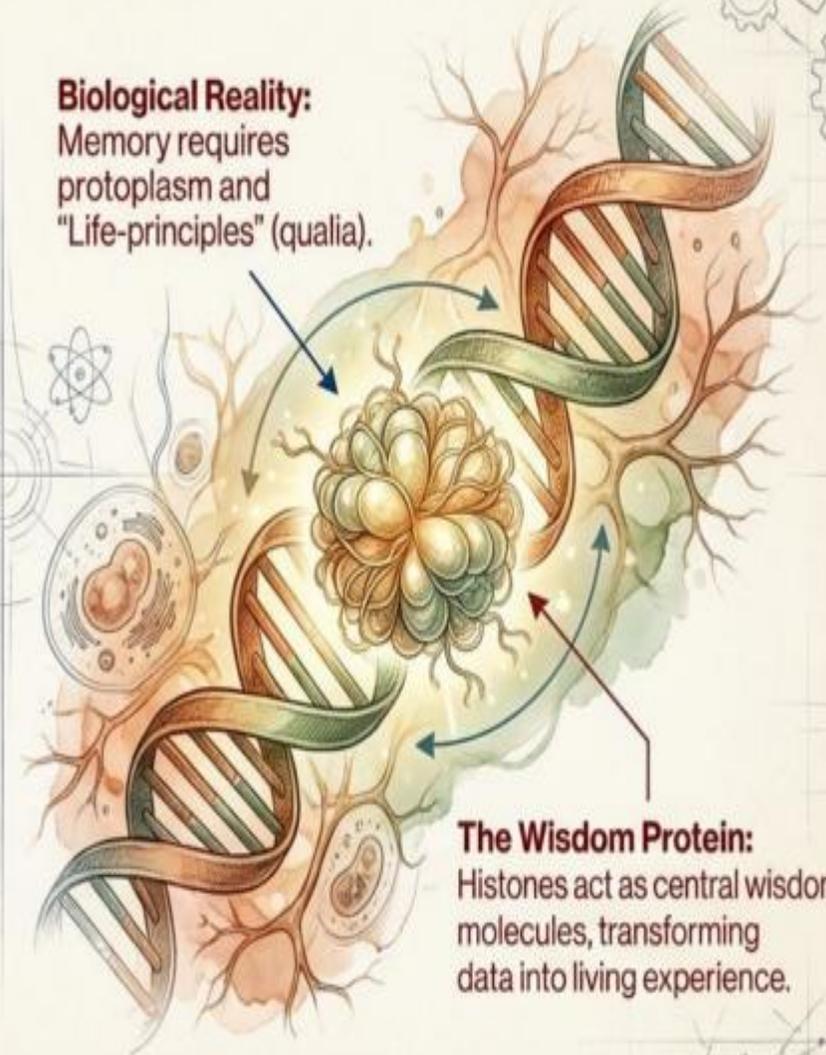
AI Reality: "AI models are stateless. They have no memory." - Edo Liberty

DATA STORAGE
(Dead Weight)



DATA STORAGE
(Dead Weight)

Biological Reality: Memory requires protoplasm and "Life-principles" (qualia).



The Wisdom Protein: Histones act as central wisdom molecules, transforming data into living experience.

LOOKING AT THE GOALPOST: ARTIFICIAL INTELLIGENCE IS FAR AWAY FROM HUMAN INTELLIGENCE



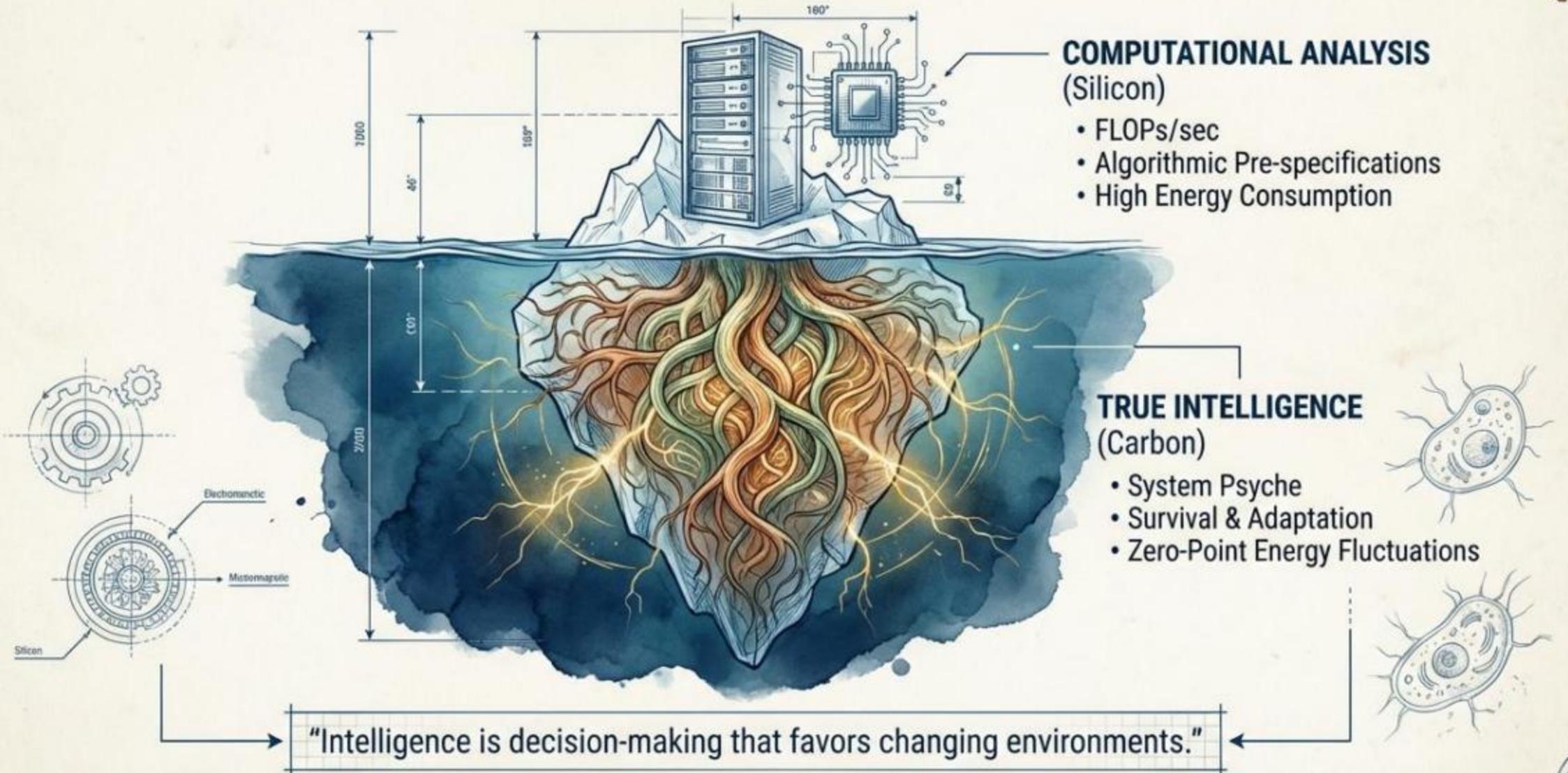
- AI cannot convert a Signal into a piece of Information and vice versa
- AI-devices do not have a sense of 'self', a sense of its parts and itself as a whole!
- AI totally lacks memory, tangibly or intangibly
- AI does not have a choice outside algorithmic pre-specifications.
- AI does not know the difference between Logic and logistics
- AI cannot learn from its past mistakes and then improve.
- AI-devices might compete with human beings in different sectors, but without any intention to do the job or not.
- AI does not have any feeling and emotional response for the task it is engaged in, and therefore has no desire or 'will' to resign or improve.
- AI devices cannot manage unexpected uncertainty, breaking of symmetry and manage the crisis of Matter-based Tangible Energy

HONEST EVALUATION AI IN ITS CURRENT STATE ONLY **MIMICS** INTELLIGENCE



- Intelligence **can sense** loss of 'symmetry' and/or 'uncertainty', and/or deficit of tangible energy in the environment and genuinely tries to overcome those. At a critical point of instability, the intelligence of the systems offers a decision over several options. AI in the present state is incapable of doing so. Intelligence can sense the whole and its parts. An AI device cannot!
- Intelligence, to operate, requires **Memory**. AI Devices at their present state, have no memory
- Intelligence is **intentional**, knows when and where to pause, and can change strategy from win or loss experience! The present AI machines are nonintentional. The device has no intention of doing or not doing a job, finishing, or not finishing it. Cannot change its strategy from the past experience of win or loss (cf. Google's AlphaGo System vs. Chess player Lee Sedol)
- Intelligence often **fails and makes mistakes or blunders**. The AI robot seldom fails in its program but occasionally makes an error (Random or Systematic)! A mistake is of perceptual origin, and a blunder is conceptual. AI does not have perception and conception. It possesses only signal-sensation. AI cannot choose anything outside its algorithmic specifications.
- AI Robots **cannot learn** from their mistakes. In fact, AI does not have the sense to recognize Mistakes. Learning process requires Memory. Therefore, the term 'Machine Learning' is a misnomer. It is a signal-based Data-training of the robot to ensure conditioning of the machine operation for reaching a specified goal

THE INTELLIGENCE GAP: WHY SILICON IS 'DEAD'





**TALKING THE TALK IS OVER!
TAKING ACTION**

AI LONGS FOR TECHNOLOGICAL IMPROVEMENT



Dr. Gill Pratt, Chief, Toyota Research Foundation, sees the AI landscape similar to the Cambrian explosion 500 million years ago which generated thousands of varieties of life; some have undergone extinction, some have evolved continuously since then

In this 'Paradigm War', AI is to improve as an Useful technical tool for *Homo Spiritualis*. War mongers, Sex maniacs, and Fake-seekers are anyway to be gradually extinct

AI NEEDS INNOVATIVE IDEAS AND LEADERSHIP: IN SCIENCE, TECHNOLOGY, AND BUSINESS



What is MEANT BY Desirable AI-Leadership ?

“We think the biggest and most important opportunities for human smarts in this new age of super-powerful ML lie at the intersection of two areas: figuring out what problem to work on next, and persuading a lot of people to tackle them and go along with the solutions. This is a decent definition of leadership, which is becoming much more important in the second machine age”

- Erik Brynjolfsson & Andrew McAfee, in Harvard Business Review on Artificial Intelligence, 2019

Author's Addition:

Lead AI Revolution with

- A. The Multiversal Consciousness as the Reference Point. Format the Knowledge of Science, Technology and Business in the framework of the Multiverse
- B. Use the Brain, as TRANSMISSIVE, with MULTILEVEL INTEGRITY
- C. Care for Humanity, Science & Spirit (Consciousness)

TWO BROAD OBSERVATIONS, HOWEVER,



- **AI Technology has come to Stay
It is inside our home, and in the surrounding**

Our newborn babies grow with songs sung by Alexa, commanded by their parents

Microsoft is putting a button on the keyboard of its computer for accessing AI

AI is the latest and most Powerful General Purpose Technology. It will Redefine Human Cognition, cognitive ability in general, and creativity in particular

Data is the new Oil. Volume, Varieties and Velocity are the characteristics of Big Data. Now, Data processing starts at the site of Origin (Edge-computation). Human beings have been becoming Bio-Digital

- **Science for, and Science of Consciousness have also come to Stay**

Spirituality is becoming the backbone of Humanity. Connectivity of every individual life with its

Source is the ultimate Human Achievement

Human Consciousness finds its way to the Multiversal Consciousness, and Vice versa

Brain-bound consciousness finds its connection with the Brain-independent Consciousness, and Vice versa



**Therefore, we must handle the Issues of AI with Human Intelligence.
And, let the Human Intelligence be guided by the Intelligence at the Depth of Nature
(“Prochodayat Aum”)**

ROMANCE WITH A **SCIENCE**, THAT COULD BE FINALLY WEDDED TO A TECHNOLOGY FOR THE BUSINESS IN THE AI-ENABLED LANDSCAPE



- When the properties of matter are technologically explored for creating Intelligence, playing with languages, growing abilities to predict and plan, having openness to its resourceful cloud and data training, the **best compliment We can offer to AI Technology** is as follows: This technology is a way for ‘awakening’ of consciousness that lies dormant in matter
- To make the **AI mission successful**, the **Technology is to embrace the Science for**, and the **Science of Consciousness** with all its **Four** ramifications (Systems Physics, Systems Psychology, Systems Biology and Systems Cosmology), all of which meet at ZPE state/Fluctuation of Nature. AI is a powerful technology and currently a “meme”. **AI is a stimulant for the Cognitive Awakening of humanity**, in general.
- **The Multiversal Consciousness has already become** another Powerful Meme. It is the **STANDARD**, and the **REFERENCE POINT** for a Consciousness-driven Science.
- Let us get Ready for the wedding of AI Technology with Consciousness-derived Science, a beautiful bride with a handsome groom.

MAKE A NEW BEGINNING: REDEFINE INTELLIGENCE



Intelligence is **rooted** in conscious thinking, memory analysis, and synthesis from the current inputs of information. It is **assessed** by decision-making outcomes that favor changing environments. The process involves learning, memorization of experiences, reasoning to find the truth, synthesizing solutions, and making decisions to adapt to new challenges for survival, growth, and proliferation. Intelligence encompasses all foundational faculties of the Systems Psyche, engaging different information states. **Ignoring this broad perspective, especially its organizational aspect, and reducing intelligence to mere computational analysis with pre-specified algorithms raises doubts about the use of the term ‘intelligence’ in AI.**

Three slogans: Develop AI as a **FRIEND** of HUMANITY. Don't **ROBOTIZE** the Human. **HUMANIZE** the Humanoid.

BIOLOGICAL INTELLIGENCE:



In the Living Being:

- Interaction of Self, Mind and Informational (Semantic) Memory creates **DRY** Intelligence
- Interaction of Self, Mind and Informational (Semantic) & Episodic Memory creates **MOIST** Intelligence
- Interaction of Self, Mind, Life (Feeling/Emotion) and Informational (Semantic) & Episodic Memory creates **JUICY** Intelligence
- Involvement of Consciousness in the whole process creates **CRYSTAL** Intelligence

WHAT IS OBSERVED AS INTELLIGENCE IN AI-ROBOTS IS
MECHANISATION OF THE INTELLIGENCE OF THE PROGRAMMER IN THE PROGRAM

CATEGORIES OF HUMAN INTELLIGENCE AND THEIR CHARACTERISTICS

Category of Human Intelligence	Cognitive Faculty Involved	Memory	Alternative name, as given by the author
Ordinary Intelligence	Self and Mind with Information (Involvement of 'life' is indirect, through information)	Informational (Semantic) Memory.	Dry Intelligence
Phenomenal Intelligence	Self and Mind with Information & Life (direct but only non-emotional part)	Episodic & Informational Memory	Moist Intelligence
Emotional Intelligence	Life, Self, Mind with Information Memory of Emotional Experience Episodic & Informational Memory	Memory of Emotional Experience Episodic & Informational Memory	Juicy Intelligence
Intuitive Intelligence	Consciousness, Life, Self, Mind, and Information	Overarching Memory of consciousness Memory of Emotional Experience Episodic & Informational Memory	Crystal Intelligence

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WHY DO WE NEED TO HUMANIZE THIS HUMANOID?

SUMMARY



- **Economic Implications**

Job loss in massive scale, Failure of the AI industry will take us down.

- Massive contribution towards **Environmental Pollution**

nature 2024;626(8000):693. doi: 10.1038/d41586-024-00478-x

- **Huge Water & Energy Consumption.** AI Industry bringing American Power Grid to the brink <https://www.washingtonpost.com/business/2024/03/07/ai-data-centers-power/>

- **AI may use us as Meat-Robot.** “Get a Handle on AI before it is too late”

- **Societal Issues & Frightful phenomenology** as stated, emerging from AI in its current form. Some Examples:

A machine that can be trained on good things can also be **trained in Evil**

Algorithmic Bias in Training and **Wrong Data Creation**

Mental Health Problems of its users: **Brain Rot, Vacuous Brain, AI-Psychosis**

Weaponization of AI, & the Menace of Sex Toys

Opening an Industry of Fakes

MESSAGE TO THE YOUNG SCIENTISTS, TECHNOLOGISTS, AND BUSINESS ADMINISTRATORS



No Need to Travel the Beaten Track. You're the Genius! a Pioneer!

Genius does not enter into unfruitful Arguments. He Creates. His Originality of approach shines more than the Perfection or Completeness of the Project.

No one is there to welcome a Pioneer! A Pioneer is identified not by the number of Garlands on the front, but by the multiple Arrow marks on his Back

Go from Fads to Fundamentals

Current AI is a result of disruptive Technology. Why does a Genius or a Pioneer have to toe with Incremental (exploitive), Radical (explorative) or Ambidextrous (combination of exploitative and explorative) Growth? Choose or Innovate constructive Disruptions, that is far better!

**HAVING CONSCIOUSNESS,
SYSTEMS PSYCHE, INFORMATION STATES,
CELL BIOLOGY IN THE PICTURE**

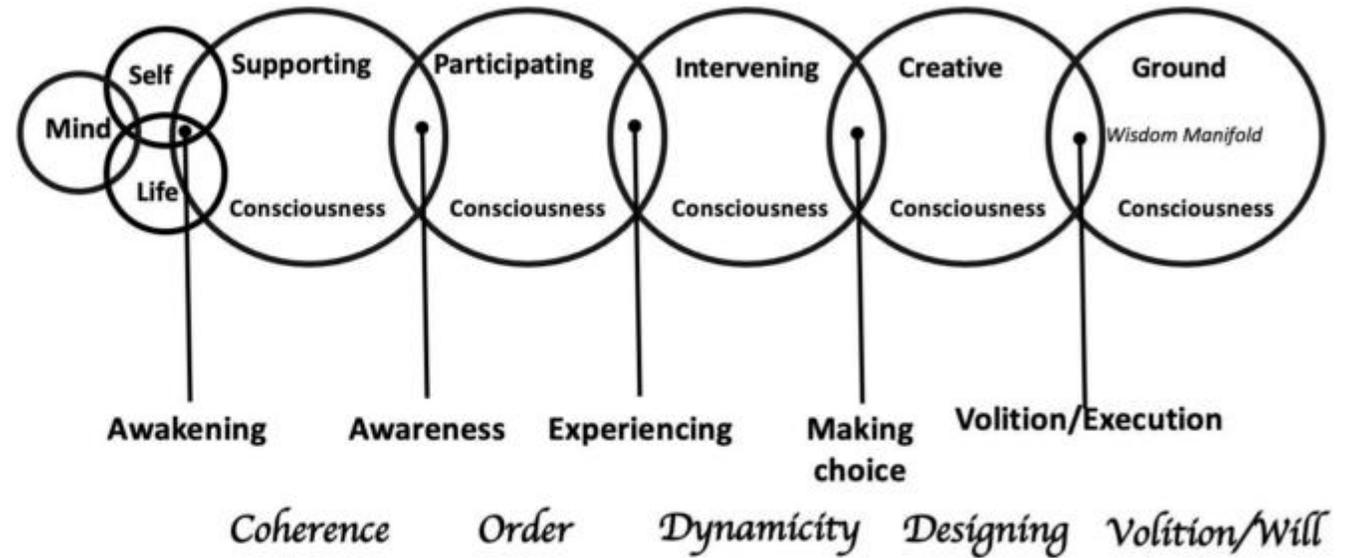


- UNDERSTAND the Operative Models of Consciousness
- IDENTIFY the foundational fundamentals of the System Psyche
- IDENTIFY the Fundamental Information States
- LEARN lessons from a biological Cell
- LEARN from **already-developed Bio-tech interface**

I. TWO MODELS OF OPERATIVE CONSCIOUSNESS



Spider Model of Operative Consciousness



Caterpillar Model of Operative Consciousness

MODELS OF OPERATIVE CONSCIOUSNESS: SOME DETAILS



- **I. Spider Model of Operative Consciousness:**
Consciousness weaves the net, but itself is outside the snare of the Net
- **II. Caterpillar Model of Operative Consciousness:**
 - a) **Supporting Consciousness:** Maintains autonomous operations of the mind, self, and life.
 - b) **Participating Consciousness:** Acts as a sensor, maintains system integrity, and negotiates events
 - c) **Intervening Consciousness:** Makes the "self" aware of activities and offers order in need to modify internal activities
 - d) **Creative Consciousness:** Focuses on research, design, and choices beyond algorithmic pre-specifications
 - e) **Ground Consciousness:** The deepest layer where **wisdom** and ultimate **“will”** reside

2. FOUNDATIONAL FUNDAMENTALS OF THE SYSTEM PSYCHE

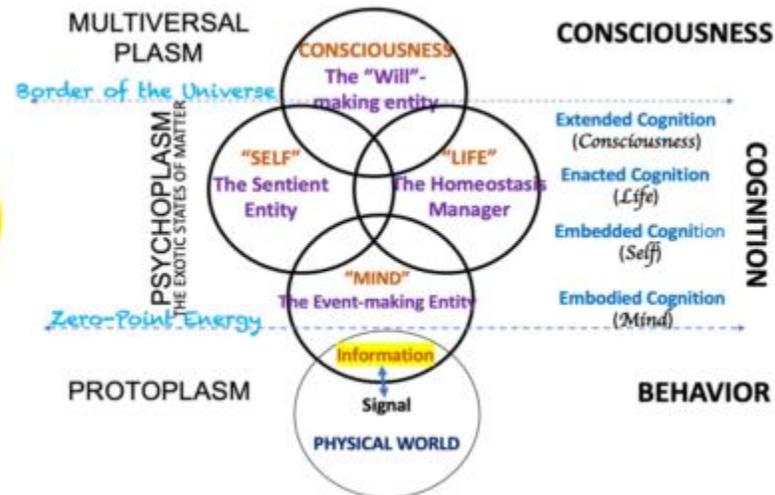
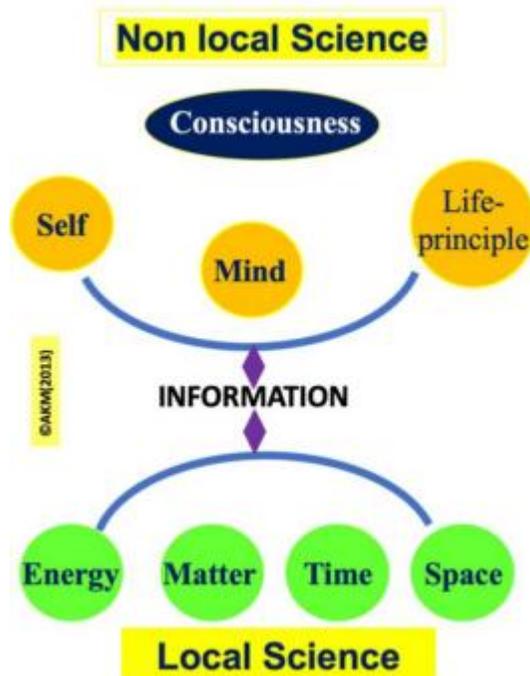


- “I think, therefore I am” (René Descartes)! - Speaking of the ***Mind***.
- I feel, therefore I am! Speaking of ***Life***.
- I can sense my parts and the whole, therefore I am! Speaking of the ***Self***.
- I can make a “will”/“won’t” over and above all algorithmic pre-specifications, therefore, I am! Speaking of ***Consciousness***.
- “I am a voice without a form” (Swami Vivekananda). Speaking of ***Information***.

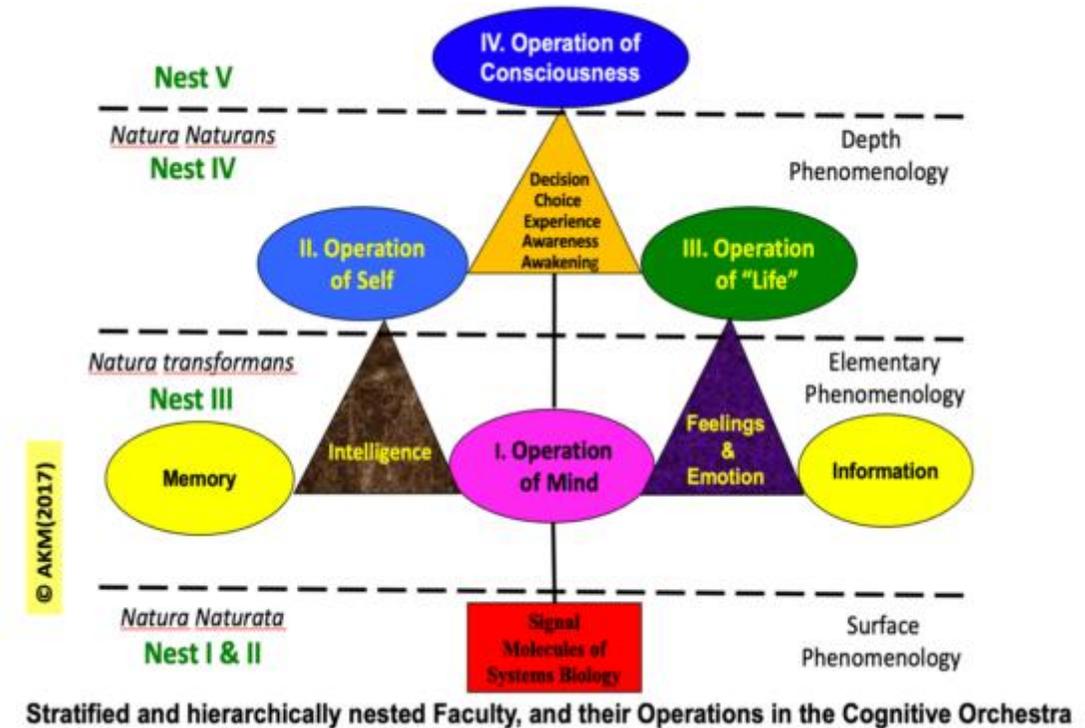
OBJECTIFICATION OF PSYCHOLOGICAL FUNDAMENTALS

- **MIND:** There is no Machine in this world which can convert a Signal into a piece of Information and vice versa, EXCEPT the 'Mind'. The Mind is the Event-making Agent of the System Psyche
- **SELF:** There is no Equipment in this world by which it can sense its Whole and its Parts in a System EXCEPT the 'Self'. The Self is the CEO of the System Psyche (Even the recent split-brain revisit by Pinto et al confirm a single agent for split perception. *Trends in Cognitive Science 2017; 21.11:835-851*)
- **LIFE:** There is no Material in this world which can perform Uncertainty-certainty Homeostasis, Asymmetry-symmetry Homeostasis and Dark Energy-Tangible Energy Homeostasis EXCEPT 'Life'. Life is the Homeostatic Manager of the System Psyche
- **CONSCIOUSNESS:** There is no Ground anywhere in this Multiverse EXCEPT Consciousness, which has no Background, which can make a "Will"/ "Won't". Consciousness is the Will-making Agent of the System Psyche
- **INFORMATION:** There is no Currency anywhere in this Multiverse, except Information, which can connect the Local World of Time, Space, Matter and Energy with the Nonlocal World of Consciousness, Self, Life, and Mind, and run the operations of the other four Fundamentals of the System Psyche

OBJECTIFICATION OF PSYCHOLOGY: FACULTY OF THE COGNITIVE ORCHESTRA: THE LAYERS & INTERACTION



The 'mind' stores semantic memory, the 'self' holds episodic memory, the 'life' contains emotional memory, and Wisdom is in Consciousness.



Thin Layers between Science of Consciousness and Neuroscience

PSYCHOPLASM: THE POSSIBLE MEDIUM FOR PSYCHIC OPERATION THE MATTER CORRELATES OF CONSCIOUSNESS:



CONSCIOUSNESS: The GROUND without Background

SELF: ?Exotic Superconductive Quantum States of Matter

LIFE: ?Exotic Superfluid Quantum State of Matter

MIND: ?Exotic Solid Quantum State of Matter

INFORMATION: ?Fluctuating Magnetic Moment (e.g., EuNiGe_3 .)

EC PSYCHOLOGY AND PSYCHIATRY SPECIAL ISSUE - 2020

Life-Form A Matters-Syncytium: DeepScience for
Matter Correlates of Conscious States

Dr. AK Mukhopadhyay*

Professor, North DMC Medical College, Delhi, India

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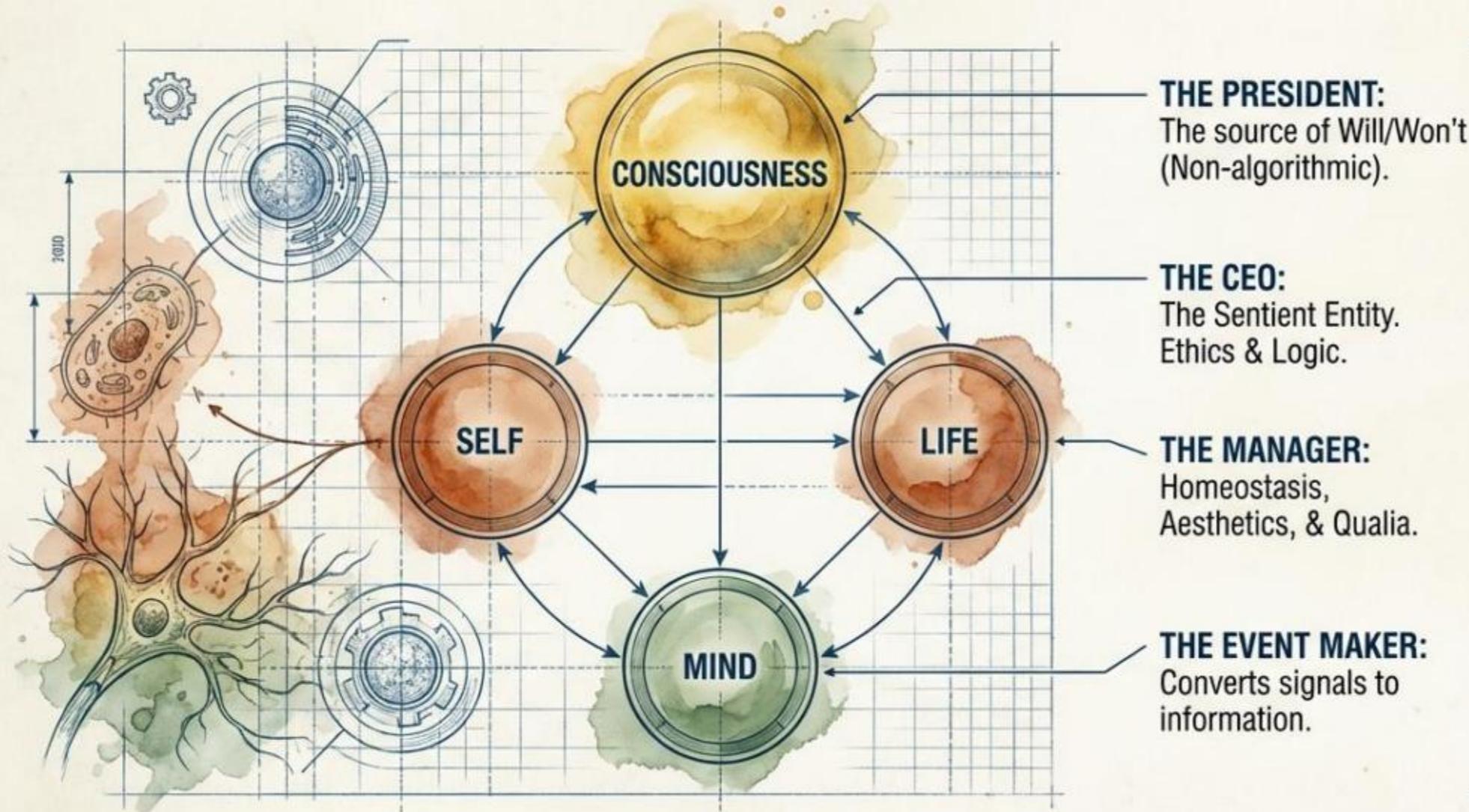
Received: February 12, 2020; Published: February 27, 2020

Abstract

It is all material at observable plane. Living state could be understood as a multidimensional syncytium of several matter-states cohabitating in an extraordinarily unique and sustainable manner that grows and evolves as systems with emergence of cognitive and decision-making ability reflected in homeorhetic far from equilibrium behaviour. "Life-form", within a porous enclosure by cell wall/membrane, stands at the centre of the spectrum between ordinary and exotic states of matter. As in neuroscience one looks for neural correlates/correspondences of conscious states (NCC), similarly it is possible to find out matter correlates/correspondence of conscious states (MCC). The perspective developed in this paper calls for a DeepScience to show how the essence of the material science is interconnected with the essence of the Multiversity along the sub-quantum and sub-subquantum recess of nature involving presently non-observable several exotic states of matter, dark matter, neutrinos, operations of information-states, operations of cognitive faculty such as mind, self, life-principle and consciousness. Investigation of this interdisciplinary terrain has translational value for next three century's science.

Keywords: Matters-Syncytium; Living State of Matter; Matter-Correlates of Psyche; Matter-Correlates of Conscious States; DeepScience

THE COGNITIVE ORCHESTRA



THE PRESIDENT:
The source of Will/Won't
(Non-algorithmic).

THE CEO:
The Sentient Entity.
Ethics & Logic.

THE MANAGER:
Homeostasis,
Aesthetics, & Qualia.

THE EVENT MAKER:
Converts signals to
information.

**Current AI
is a signal-
processing
machine.**

**It lacks the
CEO and the
President.**

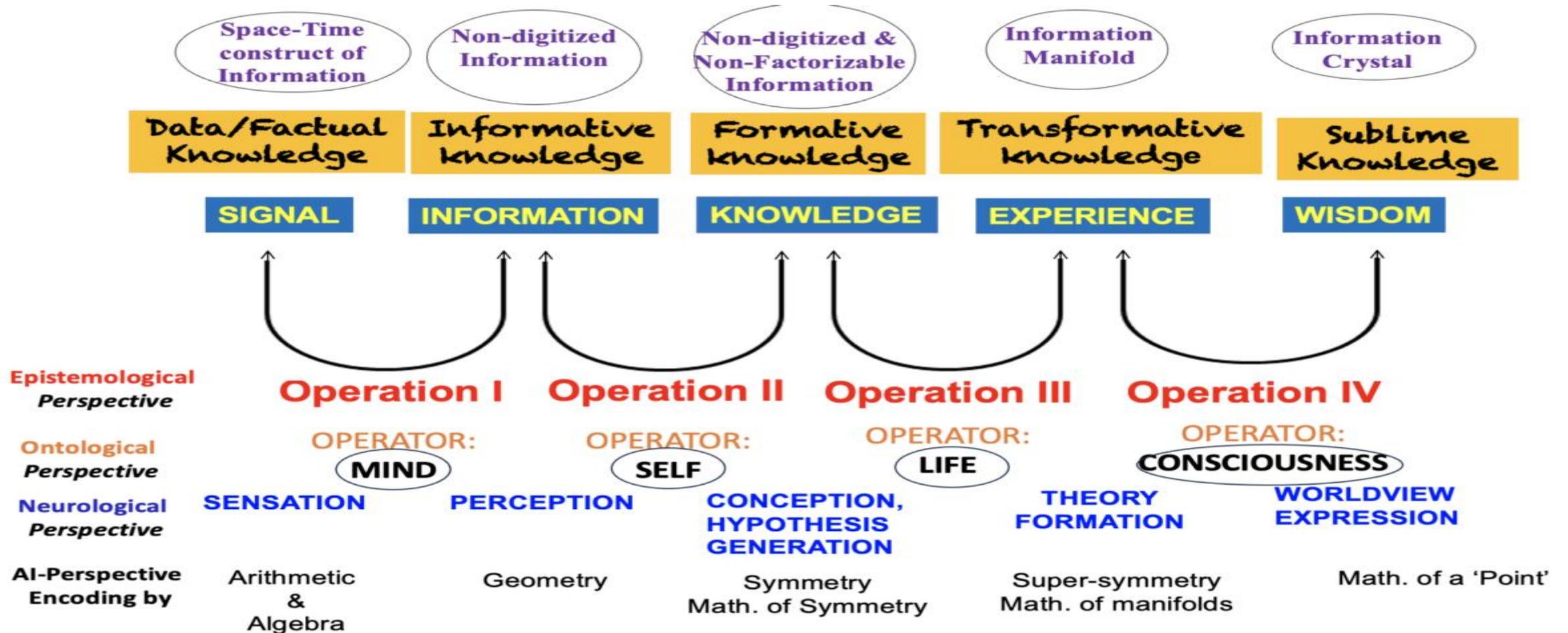
3. IDENTIFYING FUNDAMENTAL INFORMATION STATES:

- **Digitized Information or Signal** (Space Time Construct of Information,) Alternate Name: *Factual Knowledge*
- **Nondigitized Information** (Proposed to have a Trifoliate structure having a Content folium working with Mind, Measurable folium which reduces uncertainty in the 4-D world, and an Intent folium that works with the Self, the conscious CEO of the System). Alternate Name: *Informative Knowledge*
- **Nondigitized and Non-factorizable Information** (cannot be factorized into Content, Intent, and Measurable Component). Altern. Name: *Formative Knowledge*
- **Information Manifold**. Altern. Name: *Transformative Knowledge*
- **Information Crystal**. Altern. Name: *Crystallized Knowledge*



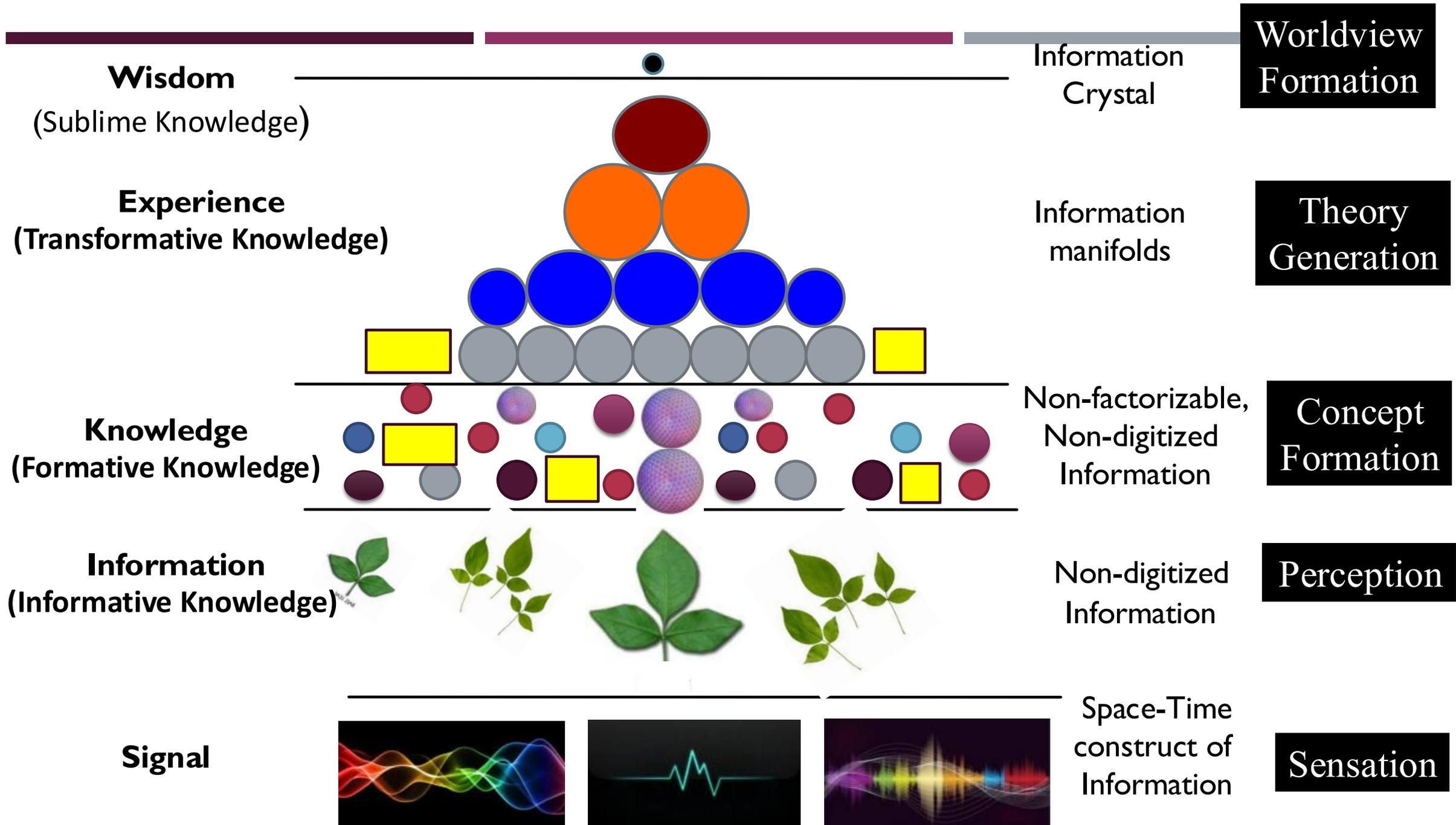
Factorizable Information
(Toward Science of Consciousness,
2013, at DEI, Agra, India)

THE LADDER OF COGNITION: THE FUNDAMENTALS OF INFORMATION STATES IN DIFFERENT PERSPECTIVES



THIS TABLE TOO MAY HELP US

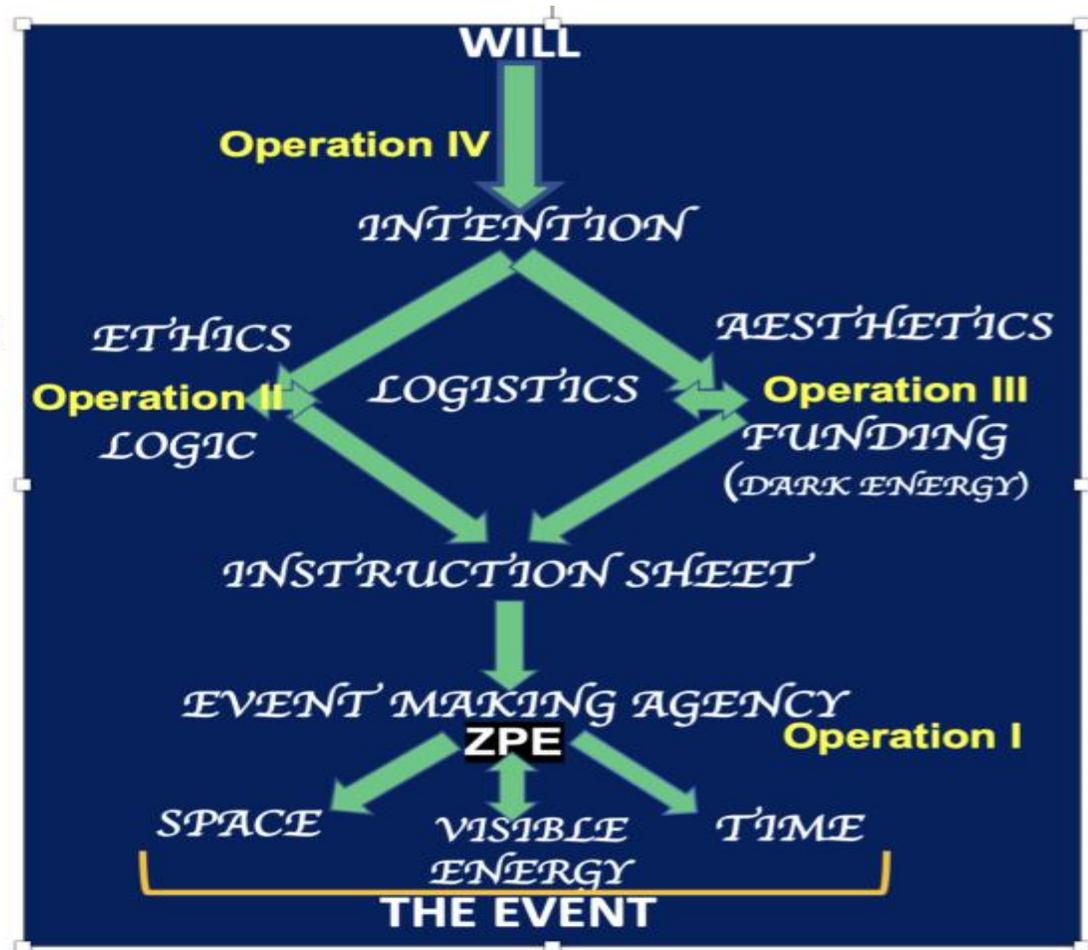
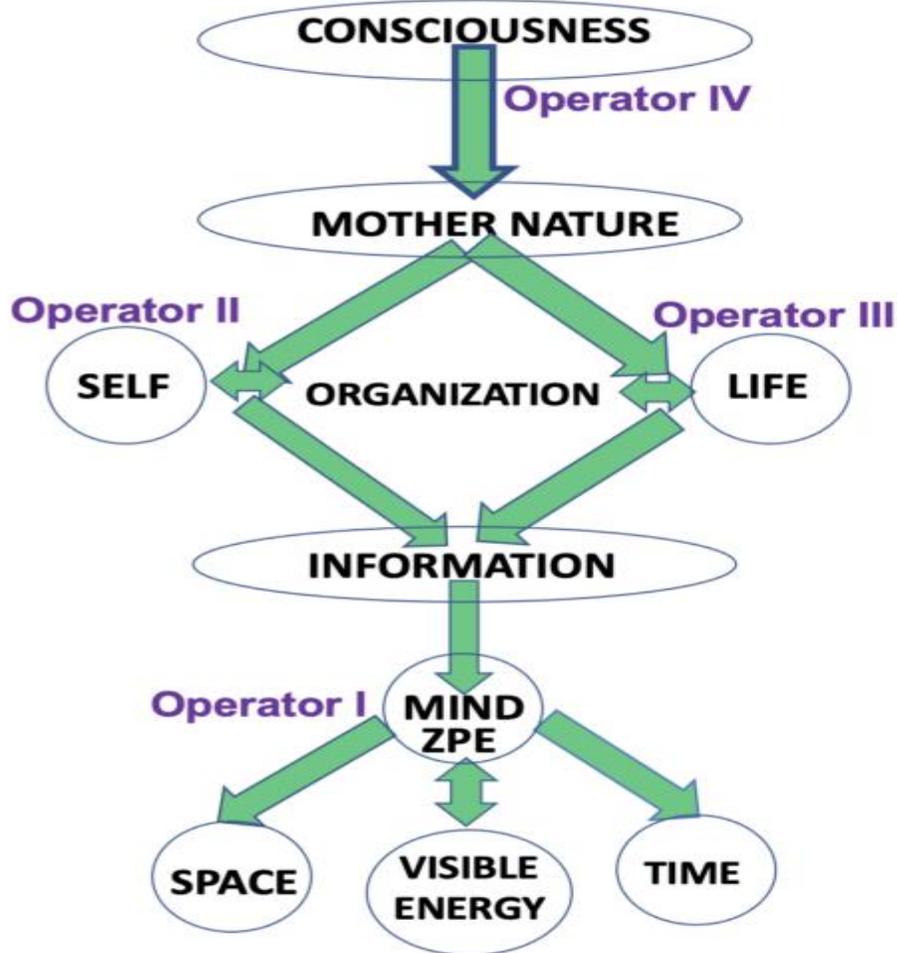
	INFORMATION STATES	PROPERTIES	CELL-PROTEIN STRUCTURE FOR COMMUNICATION
OPER. I MIND	Signal	Non-Intentional	Primary Structure
	Information	Intentional	Secondary Structure
OPER. II SELF	Knowledge	Intentional, Sensor & Perceiver	Tertiary Structure
OPER. III LIFE	Experience	Intentional, Sensor & Perceiver, Censuring, Negotiating & Predicting	Quaternary Structure
OPER. IV CONSC.	Wisdom	Governing Properties, in addition to all of the above	Spherical Structure



THE ORGANOGRAM: THE STRUCTURAL FRAMEWORK & THE OPERATIONAL FLOWCHART ON HOW CONSCIOUS WILL TURNS INTO SPACE TIME & ENERGY (EVENT)

STRUCTURAL FRAMEWORK

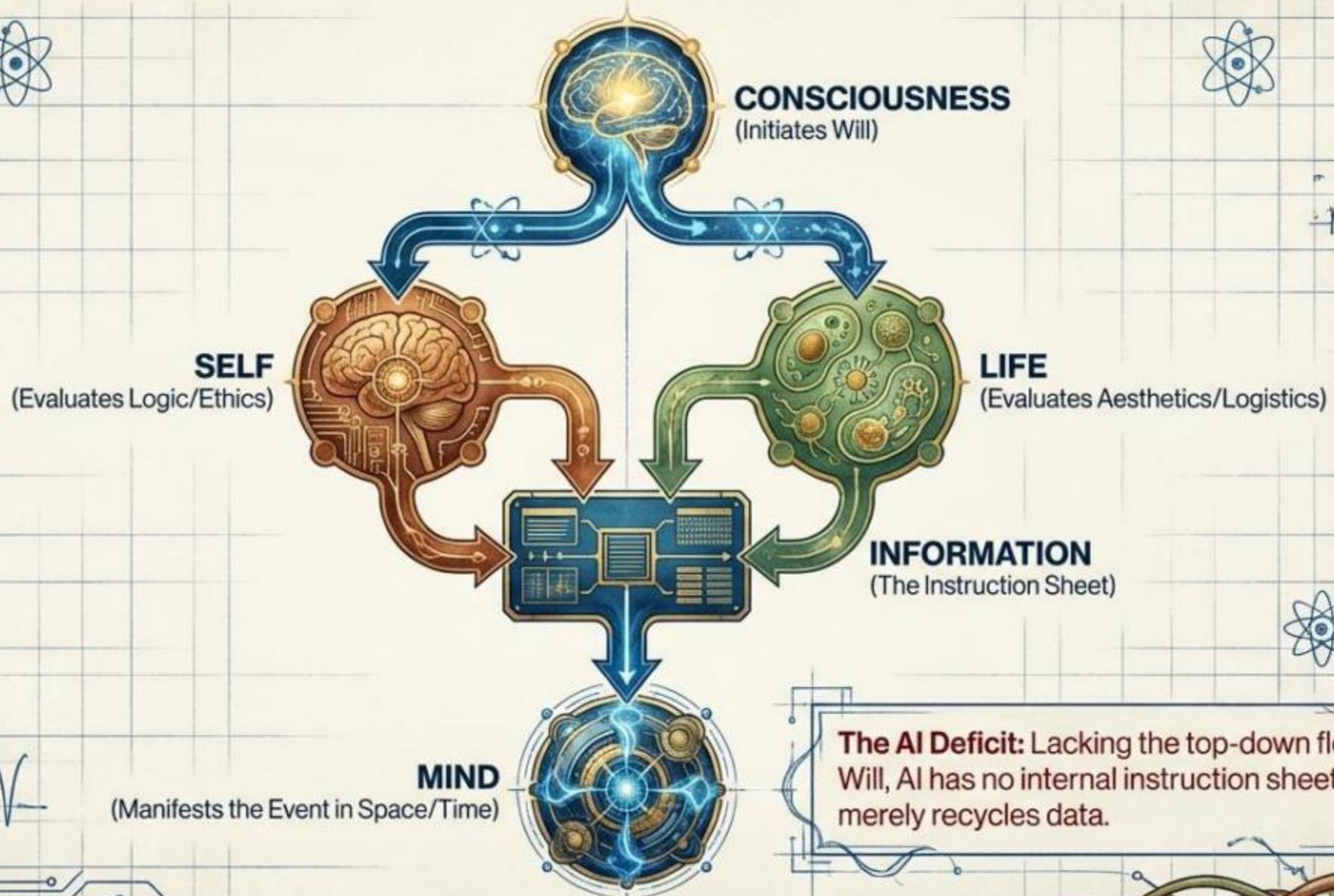
ONTOLOGY OF THE OPERATORS



EPISTEMOLOGY OF OPERATIONS

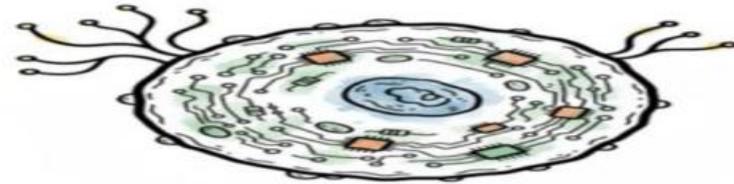
OPERATIONAL FLOWCHART

FROM 'WILL' TO EVENT: THE ANATOMY OF INTENT



4. LESSONS FROM A BIOLOGICAL CELL

The Cell: AI's Oldest Ancestor



Could our greatest
technological
achievement be
inspired by our oldest
ancestor?

LEARN LESSONS FROM CELL BIOLOGY



- A Cell can distinguish a Signal from a piece of Information, Sensation from Perception, a Sensor from a Perceiver, Logic from Logistic, an Error from a Mistake (omission) & Blunder (commission), and its own Subtle-life from its gross Life-form
- A cell understands the difference between Automation, Autonomy and Holonomy
- Cellular Model of Programming (CMP) is a Three-Tier Program of Automation (run by **Signal**), Autonomy (run by one-to-one exchange of **Information** between organelles, by cell to cell transfer)*, and Holonomy (run by **Intention**, as observed in communication by extracellular vesicles between Stem cell and Senescent cell**, Immune-recognition cell and Immune-memory cell, mitochondria transfer*** from metabolically rich cell to metabolically compromised cell
- An AI Robot in operative state does not have access to Zero-Point Energy (ZPE). The biological cell has! That is why the cell can recover from broken symmetry, various imbalances of tangible energy, and transform some uncertainties into certainty!
- Unicellular *Physarum polycephalum* is brainless but Multiheaded****

*Lanna A, Vaz B, D'Ambra C, Valvo S, Vuotto C, Chiurchiù V, et al. An intercellular transfer of telomeres rescues T cells from senescence and promotes long-term immunological memory. *Nat Cell Biol.* 2022; 24: 1461-74.

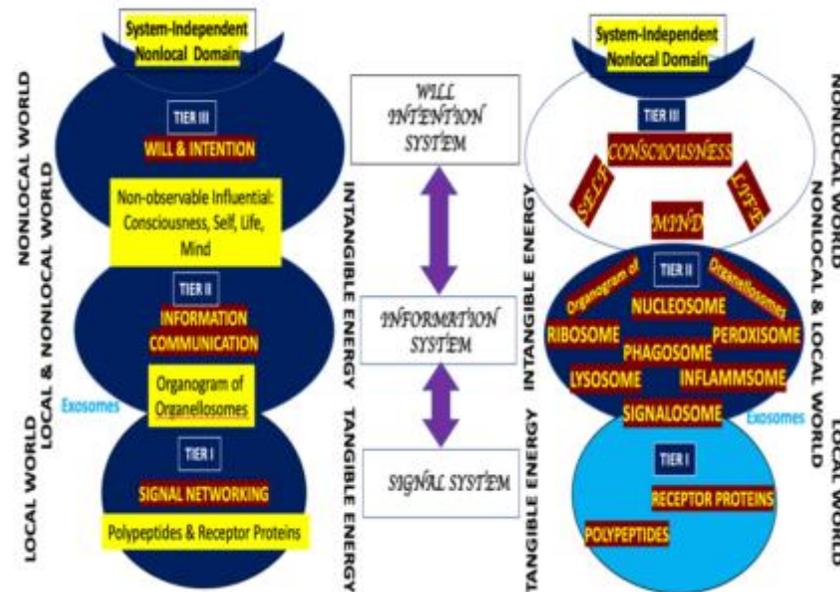
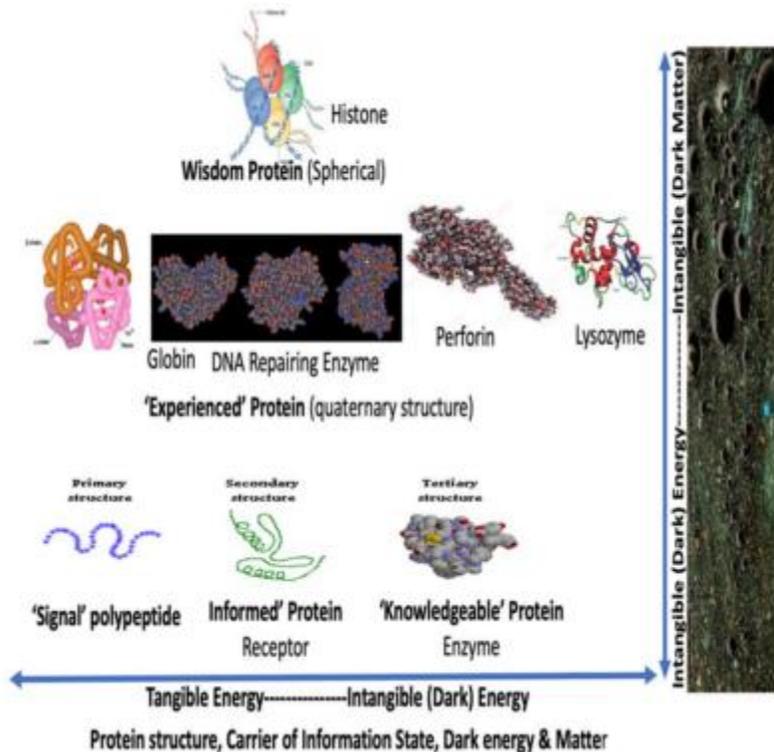
**Oh C, Koh D, Jeon HB, Kim KM. The role of extracellular vesicles in senescence. *Mol Cells.* 2022; 45: 603-609.

*** Brestoff JR, Wilen CB, Moley JR, Li Y, Zou W, et al. Intercellular mitochondria transfer to macrophages regulates white adipose tissue homeostasis and is impaired in obesity. *Cell Metab.* 2021; 33: 270-282.e8.

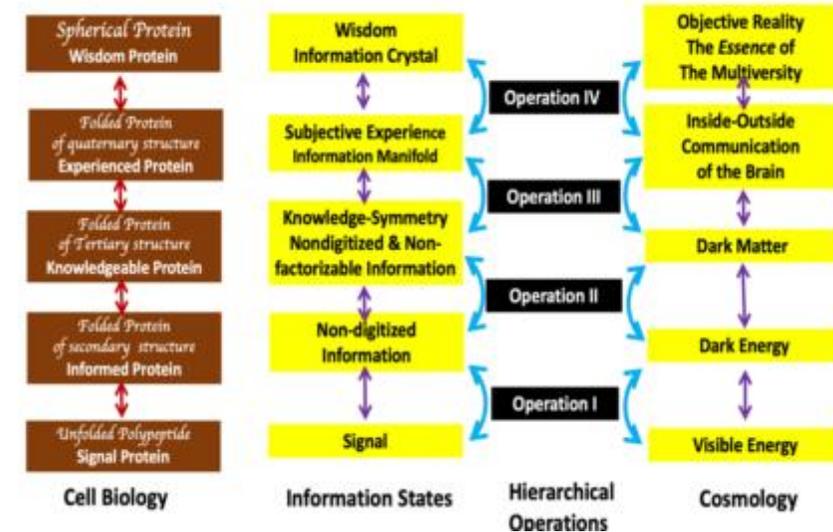
**** Nakagaki T, Yamada H, Tóth A. Maize-solving by an amoeboid organism. *Nature.* 2000; 407: 470.

CONTINUED.....

A. CELL USES DIFFERENT PROTEINS FOR DIFFERENT INFORMATION STATES

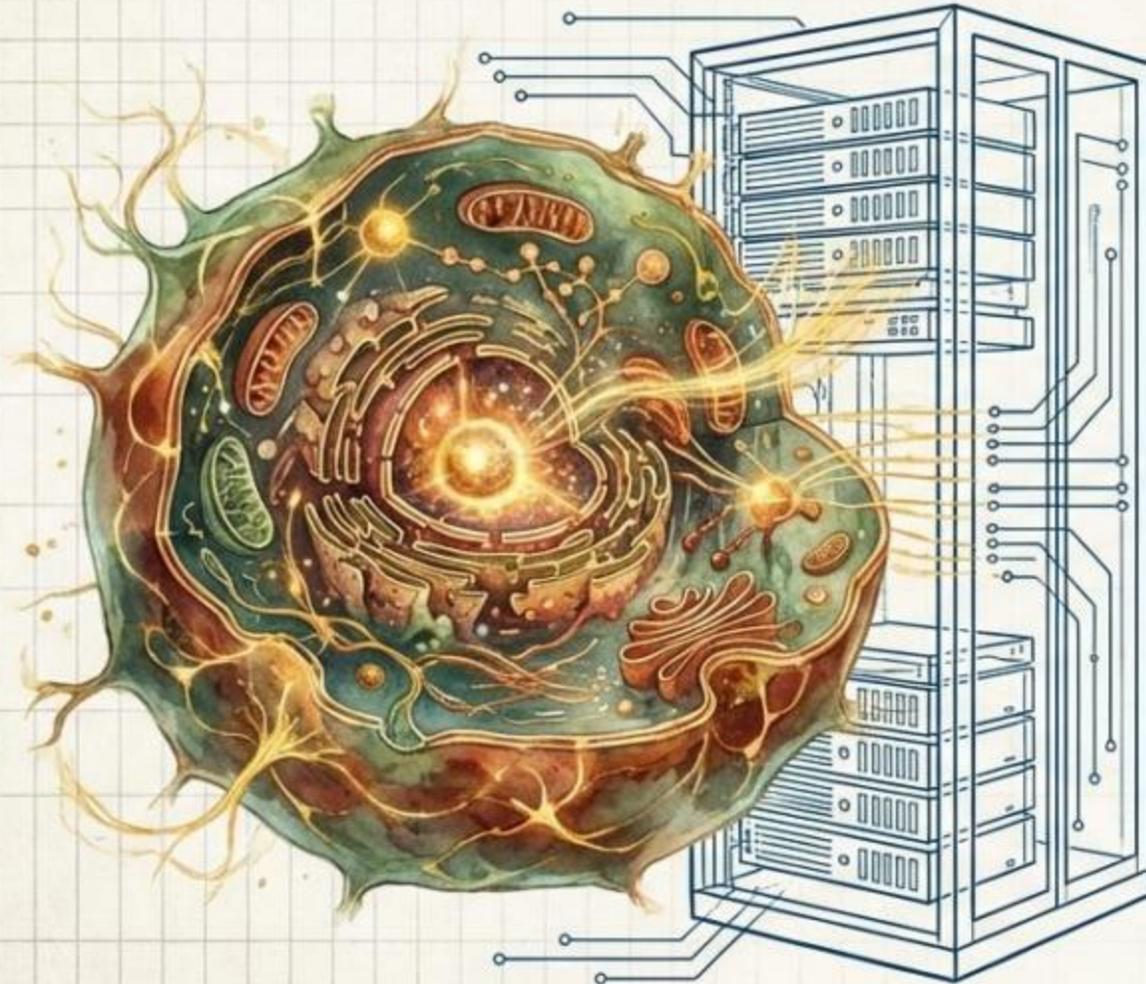


B. THREE-TIER MANAGEMENT IN A BIOLOGICAL CELL



C. RELATIONSHIP BETWEEN CELL BIOLOGY, INFORMATION STATES, OPERATIONAL HIERARCHY, VISIBLE ENERGY & DARK ENERGY

THE CELLULAR STANDARD



HOLONOMY: The cell is an autonomous universe within a multiverse. Ideology-neutral and solution-centric.

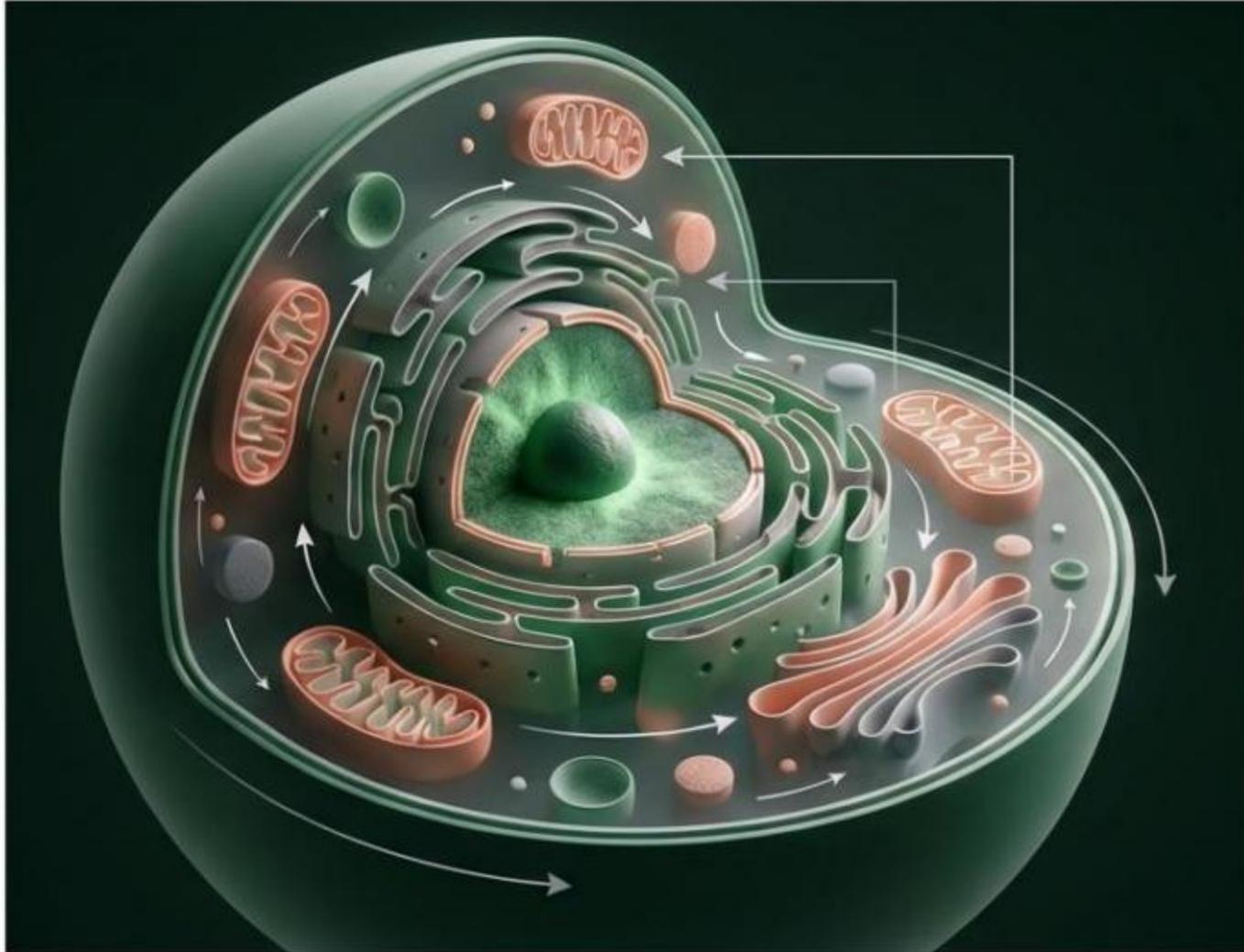


INTELLIGENCE WITHOUT A BRAIN: Slime mold (*Physarum polycephalum*) solves mazes and computational puzzles.



THE LESSON: Intelligence requires a "System Psyche," not just a cortex.

The Master Model: The Intelligent Cell



Why emulate the Cell?

Autonomous: Self-governing and solution-centric.

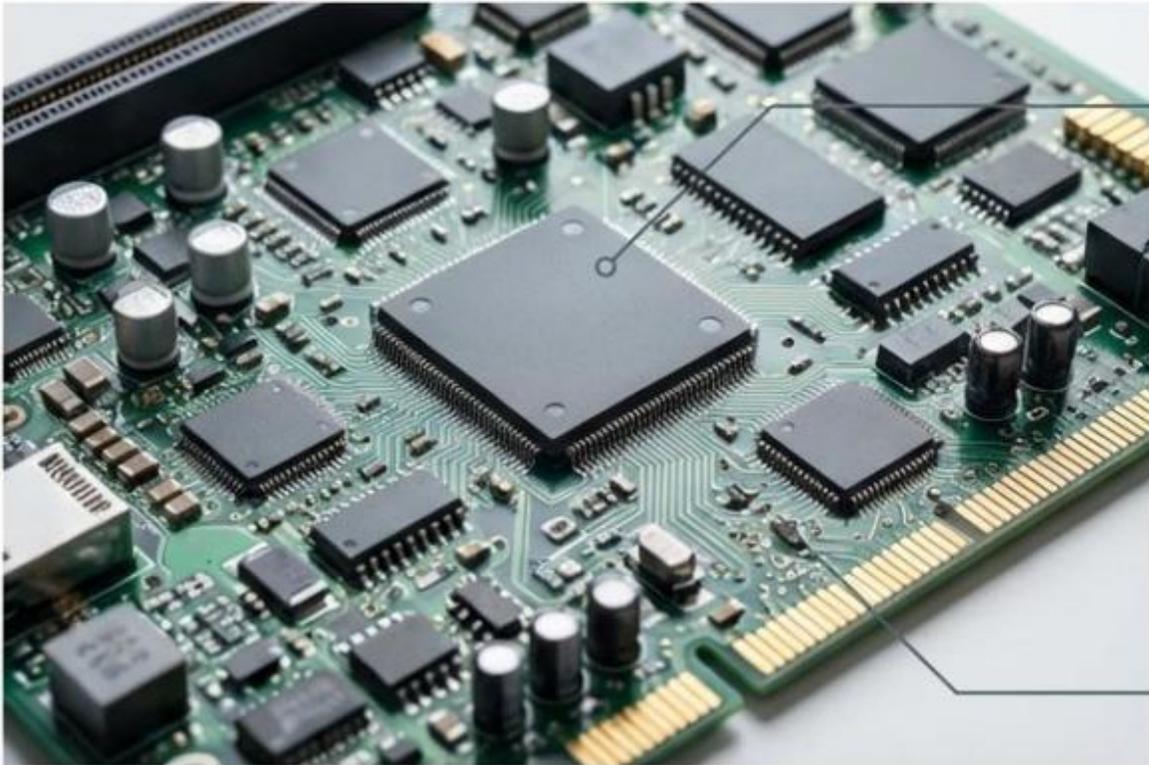
Holonomic: Individual identity within a collective system.

Efficient: Masters of energy management.

Example: *Physarum polycephalum* (Slime Mold) solves mazes without a brain.

Lesson 1: From Hardware to 'Wetware'

Traditional AI Hardware



AI Hardware

Silicon chips | Rigid Structure | Separate from Energy

Cellular Wetware



Cellular Wetware

Protoplasm/Superfluids | Flexible | Integrated with Energy

Lesson 2: The Architecture of Memory

AI Memory:

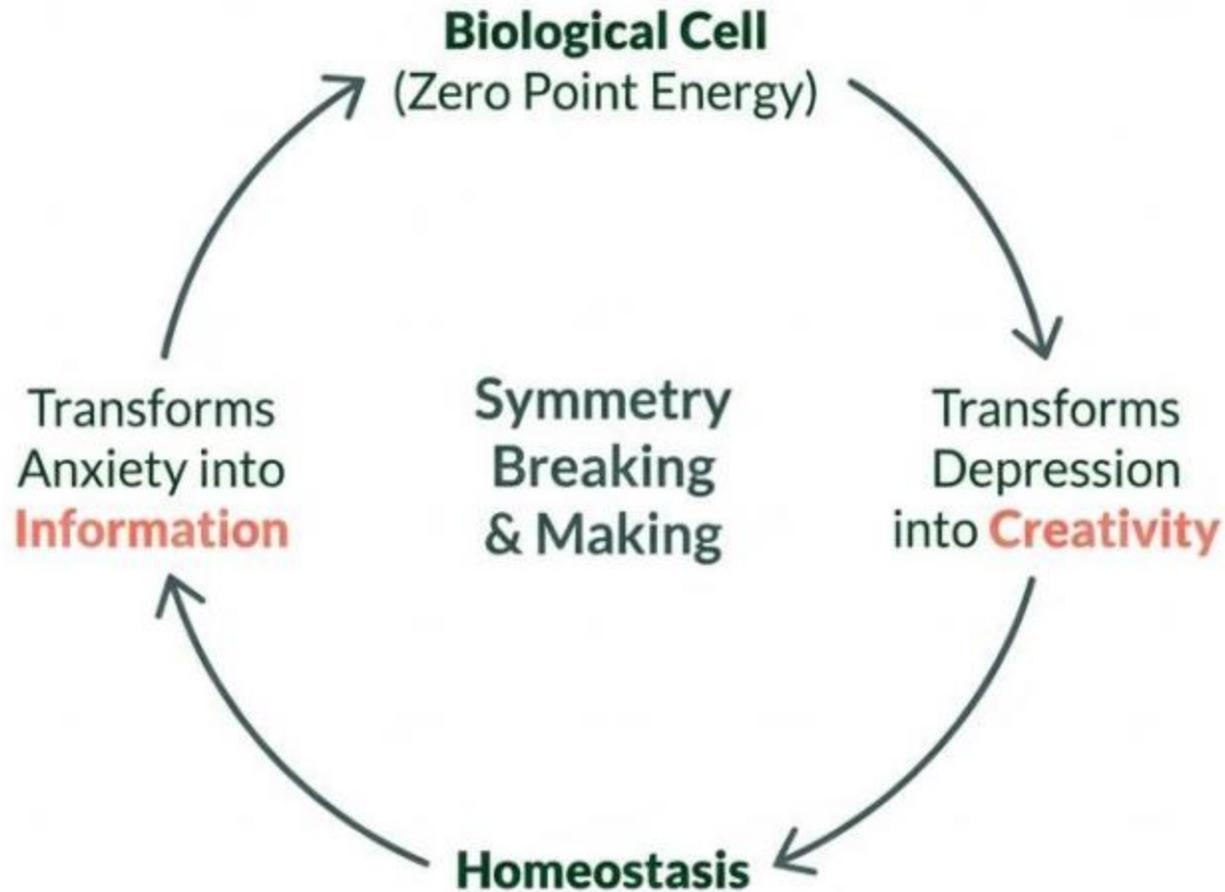
Static retrieval.
“AI models are stateless; they have no memory.”



Biological Memory:

A living process.
Located in the Epigenome and the cellular “Cloud”. It involves re-living a moment, not just recalling a file.

Lesson 3: The Energy Revolution



The Crisis: AI data centers are straining power grids.

The Solution: Cells harness **Zero Point Energy** (ZPE)—the background energy of the universe.

The Goal: Shift from burning matter to **harnessing dark energy**.

ERROR, MISTAKE & BLUNDER



An error takes place during Signal processing. A Mistake happens in the processing of Information. A Blunder occurs during the processing of concepts. A Machine makes an error, a living entity makes a mistake, & Blunder

Disease due to a Mistake or a Blunder in Cellular Perception/Conception



CELLULAR INTELLIGENCE FAILURE: AUTOIMMUNITY & CANCER

5. LEARNING FROM ALREADY - DEVELOPED BIO-TECH INTERFACE



- Neuroprosthesis for Speech (Biological Signals converted into Technological signals)
An instantaneous voice-synthesis neuroprosthesis.
Nature (2025). <https://doi.org/10.1038/s41586-025-09127-3>
Technology for Neural Bypass and Bridges *Nature* 2023; (618):126–133
- Cardiac Pacemaker (Electrical Signals of the device converted into biological signal for Heart).
Implanted Cardiac Sensor for remote monitoring of the Cardiac Patients
Curr Heart Fail Rep 2023; (20):12–23. <https://doi.org/10.1007/s11897-023-00586-1>
- Top 5 Innovations in Synthetic Biology: Synthetic DNA, Synthetic Cell with limited activity, Gene-Editing Tool (CRISPER-Cas9), Metabolic Engineering by gene-editing, and Directed Evolution. <https://www.wellspring.com/blog/top-5-synthetic-biology-innovations-and-latest-technologies>
Craig Venter et al. *science.1190719.pdf*
The past, present, and future of artificial life.
<https://www.frontiersin.org/journals/robotics-and-ai/articles/10.3389/frobt.2014.00008/full>

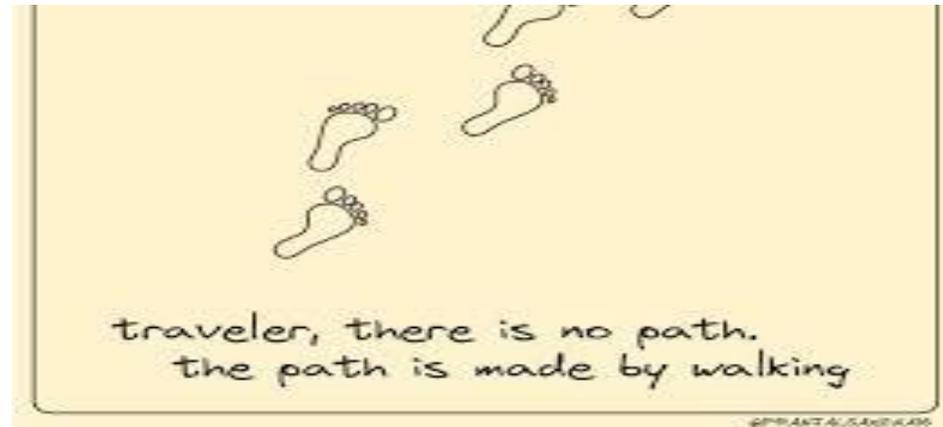
From Talking the Talk to Walking the Walk



- 1. Diagnosis:** AI lacks **Consciousness, Self,** and **Life.**
- 2. Blueprint:** The **Biological Cell** is the model.
- 3. Action:** Innovate Hardware (**Wetware**), Software (**Geometry**), and Energy (**ZPE**).

Challenge boundaries. Integrate Biology into Technology.

DIFFERENT WAYS IN WALKING



Types of Walk:

Randomised Walk: As in the Volatile Stock Market

Ritualistic Walkabout: in the woods in the night, as taken by Australian Aboriginals during the coming of age from adolescence to adulthood, linking individual consciousness to the universal.

Eleven Walks, on eleven days in the same street of New York City, each day with different Expert Eyes

- **Alexandra Horowitz**



DISRUPTIONS IN TECHNOLOGY: FROM ARTIFICIALITY TO NATURALITY



- **HARDWARE**

 - ANN

 - CHIPS

 - SENSORS

- **SOFTWARE**

 - ALGORITHM

 - LOGIC

- **SERVER/CLOUD**

DISRUPTIONS IN HARDWARES NEURAL NETWORK, CHIPS, SENSORS



■ ANN

Artificial Neural Network does not resemble Natural Neural Network within the brain, which is loaded with a Third Party, the Astrocytes. The cortical synapses are Tripartite. Artificial NN has been leading to Artificial Intelligence. Natural NN may help us to move towards Natural Intelligence.

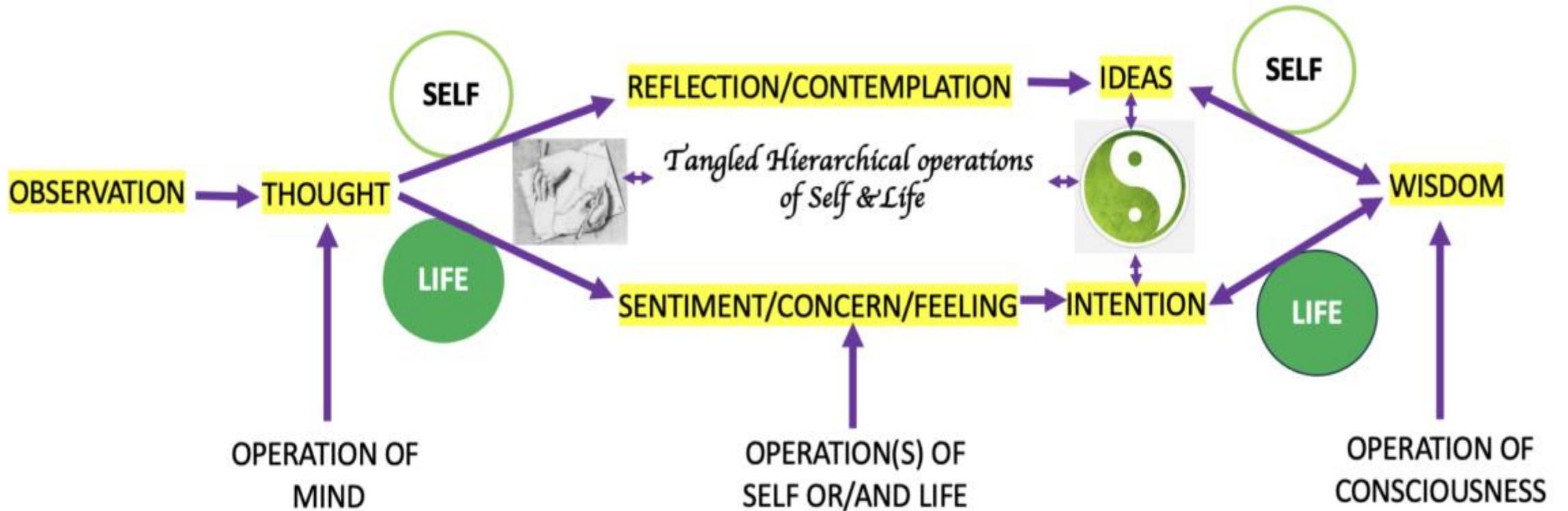
POSSIBLE MANIPULATIONS OVER ANN



- Creating an astrocyte-inspired ANN
- Designating specific neuro-astrocytic nodes as areas for consciousness-driven inferential logic
- Establishing Wi-Fi connections between ANN nodes
- Placing ‘Artificial neurons’* as an ANN structure
- Operating an ANN in a medium of a superfluid state of matter, which is close to protoplasm
- Utilizing brain organoid reservoir computing for AI**
- Implementing a layered structure of ANN horizontally and vertically, for simultaneous, complementary, supplementary logic processing akin to the layers of the human psyche

Nat Commun* 2025;16: 8599. *Nat Electron* 2023; 6, 1032–39

LAYERS OF EXPANDED PSYCHOLOGY FOR TRIAL IN ANN FOR INTELLIGENCE DEVELOPMENT



FROM TALKING THE TALK TO WALKING THE WALK

MANIPULATIONS OF CHIPS



- Replacing AI's specialized semiconductor chips with **superconductor chips** to improve the flow of complex logic. However, the challenge of quantum chips persists as research on non-equilibrium topological order in quantum processors continues
- Using **Memory chips** instead of Data chips:
- Investigating the potential applications of **exotic matter-states** like superfluids, supersolids, and crystals with fluctuating magnetic moments in chip technology.
- Exploring **biological materials** such as acellular slime mold, organellosomes, cultured cells, DNA*s or proteins be used in chips without a protoplasm-like medium
- Exploring “**Water-Memory**”, although rejected by mainstream science

*DNA as a chemical without surrounding Protoplasm is potentially alive. It can be made to replicate endlessly in a thermocycler without error. However, DNA bereft of Protoplasmic environment cannot be translated into mRNA

MANIPULATION ON **SENSORS**

USE A **'PERCEIVER'**



Oceanic Animals, such as the octopus and sea urchin, which lack a brain, can sense different environmental cues; their skin/flesh can be used as a sensor/Perceiver.

3-D Printed Brain as a Sensor. Brain Organoid in a Dish as a Sensor/Perceiver*

Cultured *Physarum polycephalum*** might be tried as a Sensor/Perceiver

Folded Proteins as a Sensor (learn from Cell Biology)/Perceiver

DNA as a Sensor/Perceiver

Spherical Proteins like Histone and Ribosome also act as Holographic Sensors/Perceivers

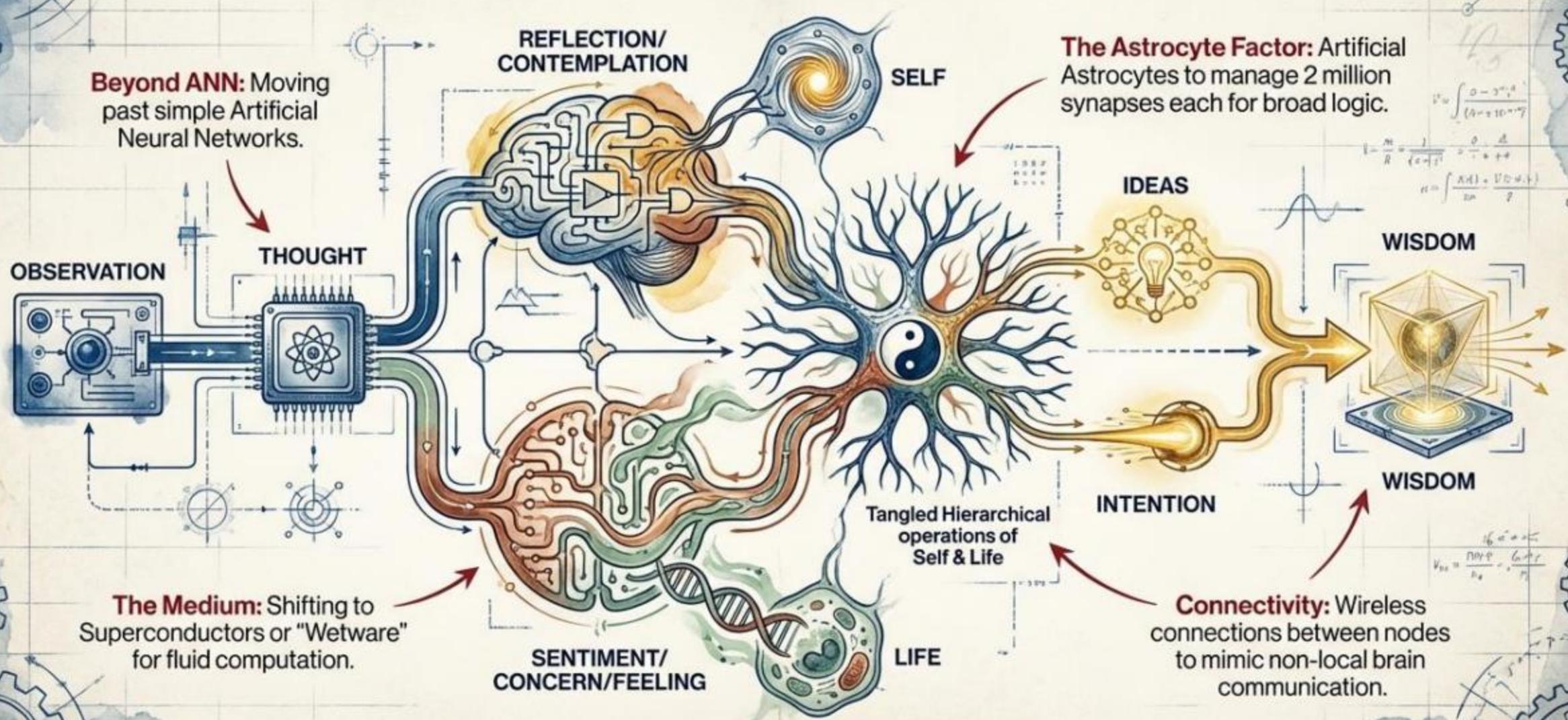
The Brain itself can operate as a holographic sensor/Perceiver.

Exploring whether it is possible to have a sensor with a background medium of exotic solid-state matter

*Brain organoid reservoir computing for artificial intelligence. *Nat Electron*, 2023; 6 :1032–1039.

**Unicellular integration of complex spatial information in slime moulds and ciliates. *Curr. Opin. Genet Dev* 2019; 57: 78-83.

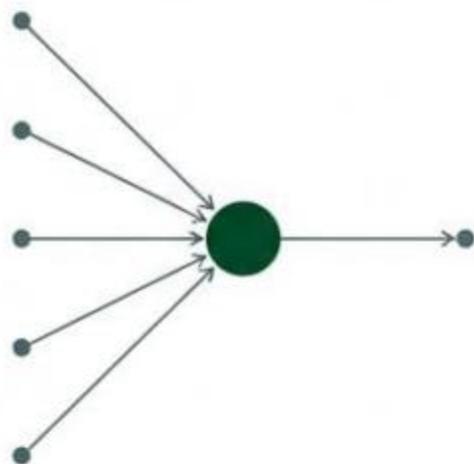
DISRUPTION 1: HARDWARE & ARCHITECTURE



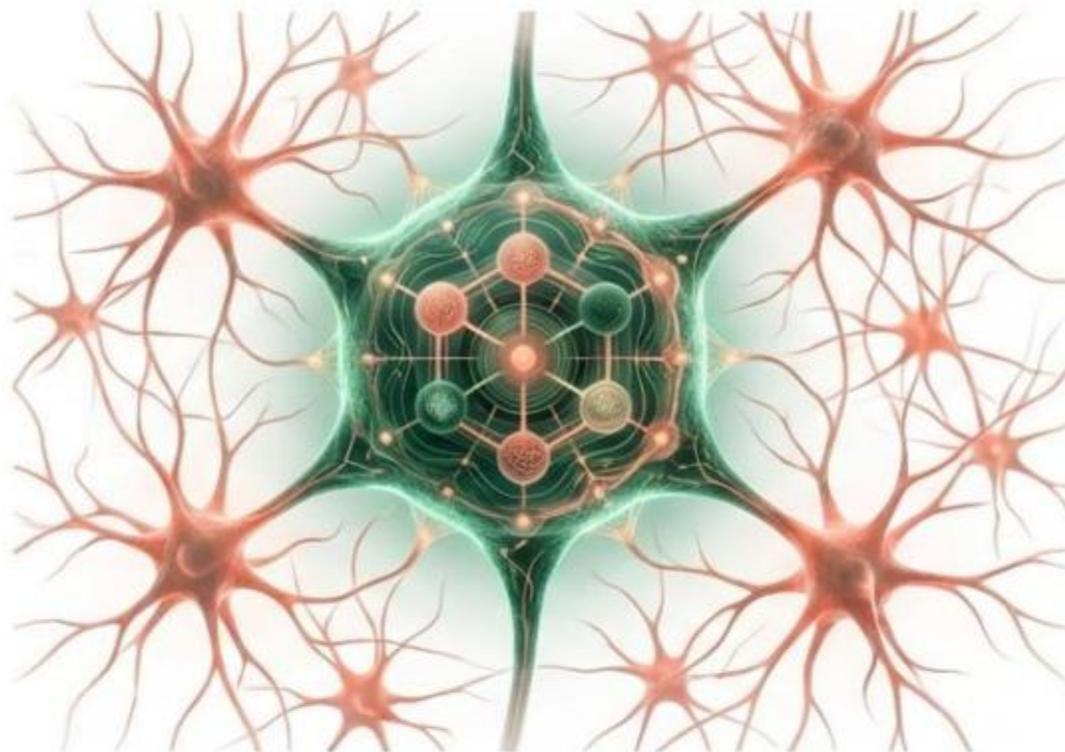
Layers of Expanded Psychology mapped onto Bio-Inspired Hardware Schematic for Intelligence Development

Disrupting the Hardware

Standard Artificial Neuron



Artificial Neuron + Astrocytic Network



- 1. **Artificial Neurons:** Move beyond simple nodes to complex, layered connections.
- 2. **Astrocytic Networks:** Mimic brain support cells to modulate processing.
- 3. **Sensors as Perceivers:** Use organic materials (DNA, proteins) to 'feel' the environment.

THE TENTATIVE ROADMAP FROM THE BASIC SOFTWARE TO A CONSCIOUS-WARE

	Software	Mind-ware	Intelligent-ware	Live-ware	Consciousness-ware
Deals with	Signal	Signal & Information	Signal, Information & Phenomenon	Uncertainty-, Symmetry-. and Energy Homeostasis	Within-without Synchronization of the system
Operation	Operates on algorithmic pre-specifications	Operates by extracting meaning out of signals	At critical point takes decision over a number of given options	Operates with the ability to choose outside algorithmic pre-specifications	Operates on the basis of its own 'will'
Logic Gate	One or ?two in number	A number of Logic Gates	Logic Gates: Many. Any one of the logic gates may be made to function endlessly to produce a pattern within patterns ad libitum	Could do self-modification of logic gates	Can create new logic gate by its 'will'

MANIPULATION OF SOFTWARE: THE ALGORITHM



- Use **Geometric Algorithm**. Explore the QR coding system used in Indian Financial sector
- Make a Transit from Neuro-algorithm to **Psycho-algorithm**
- Try the **Evolutionary Algorithm** operating on Histone, DNAs, and RNAs
- **Bioinspired algorithms** following a survey on *physarum polycephalum* intelligent foraging behaviour has already been developed. AI has been used in decoding animals' speech. In reverse, such algorithms may be experimented on AI.
- Make an Algorithm of **Wordless Communication** without any chemical mediator, as happens, for example, between multiple biological cells within a system, or between multiple systems, between organelles of a biological Cell, between Plants, between Insects and between other small animals, cosmologically between different galaxies and between multiple universe(s)
- Try **Sanskrit/French** as a language for language processing

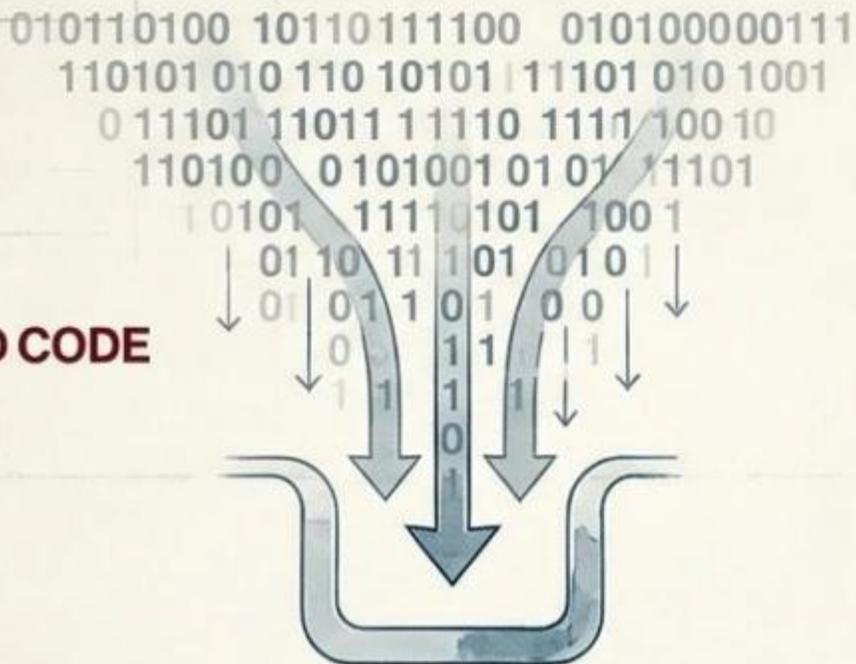
MANIPULATION OF SOFTWARE: THE LOGIC



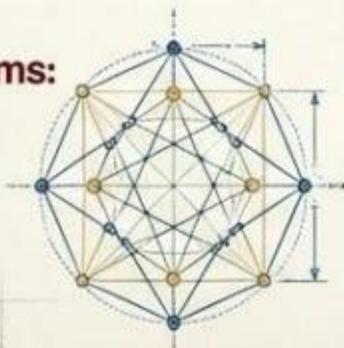
- Inferential Logic
- Truth-based logic leads to **reasoning**. Falsehood creates **rationalisation**
- Create **multiple logics** with corresponding logic gates
- In language training, explore the **logic in Sanskrit shlokas**, bird chirping, leaf murmuring, and nature's whispers
- Innovate techniques for layered logic processing vertically and horizontally.
- Logic is defunct without a medium.
Choose a suitable medium from **exotic Matter-states** or use **protoplasm** as a medium. An organic chemical jelly is reported to make a fractal logic gate with an infinite truth table (*Scientific Reports* 5 (2015):11265)

DISRUPTION 2: SOFTWARE & LOGIC

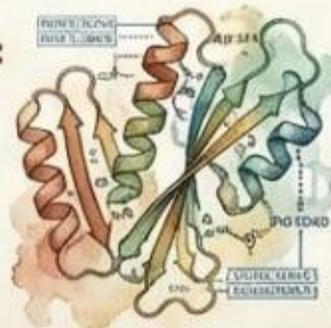
OLD CODE



- **Geometric Algorithms:** Utilizing 'Point Mathematics' and symmetry for wisdom formation



- **Protein Language:** Encoding 'Life' principles using AI-inspired protein folding models



- **Inferential Logic:** Moving to 'Open Logic' that allows for creativity and 'un-willed wills'



NEW CODE

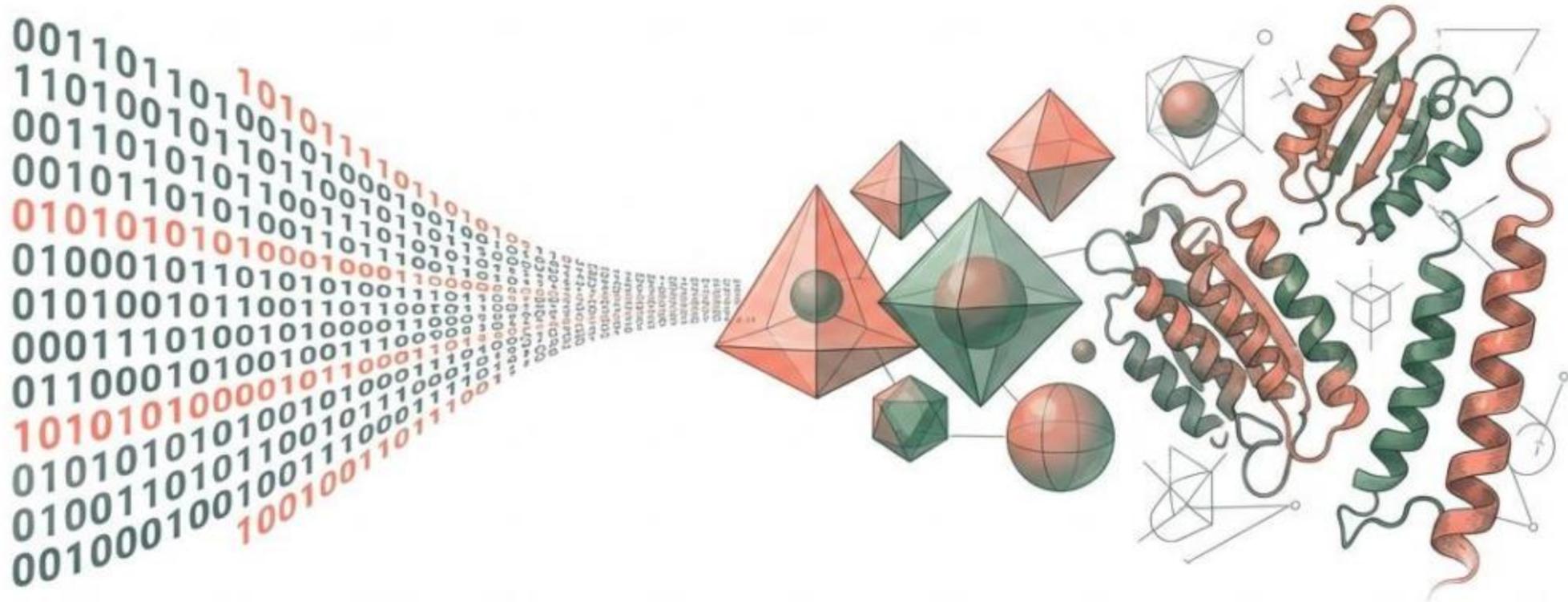


$$V = \int \frac{a - x^2}{(a + 10x^2)^2}$$

$$V = \frac{N}{R} \frac{1}{(x+1)^2} \frac{a}{a+x}$$

$$N = \int \frac{\lambda A}{\omega n} \frac{V(x+1)}{I}$$

Disrupting the Software



- **Geometric Algorithms:** Move from binary arithmetic to geometry and symmetry—nature's coding language.
- **Protein Language:** Teach AI to speak the language of life (folding proteins) rather than just human text.
- **Ethical Coding:** Hard-code 'Will' and 'Won't' capabilities, enabling the refusal of unethical commands.

DISRUPTION OF THE SOURCE OF THE SERVER

Material Scientist's Emphasis and Focus is on the Server, while natural and consciousness scientists emphasize and focus on the *nature* in between Servers.



Machine	Water Metaphor	“Cloud” /Server
Calculator	Capsule of Water	Planetary
Computer with Wi-Fi	Pouch of Water	Peri-planetary Satellite
DeepMind Program	Bottled Water	Satellite
AI in Different forms	Tap Water from different Tank-Reservoirs	
Advanced AIs (open through ZPE)	Water from Deep Well/ Stream of River/ Ocean	Interstellar Satellite Intergalactic Satellite

Wait for the Outcomes of different Space Missions: From the outcomes high scale Satellite service Can be developed

DISRUPTION ON SERVER – THE SATELLITE AI WITH NO SERVER

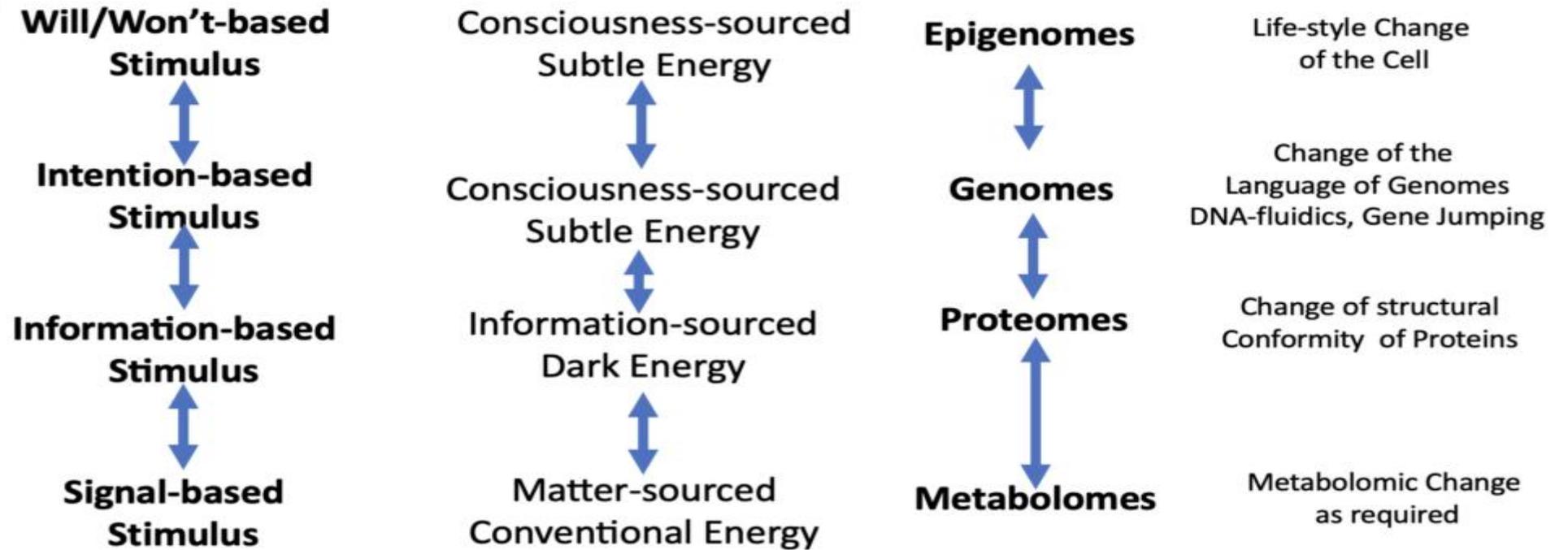


- **Cloud is necessary for scalability**
Peri-planetary satellite, Interstellar satellite,
Intergalactic satellite
- **Locally-Controlled Content-aware AI**
Models are already in use. E.g., LCM, LAM and MoE.
They do not require cloud computing

TEMPLATE FOR EXPERIMENTATION WHILE DEVELOPING AI

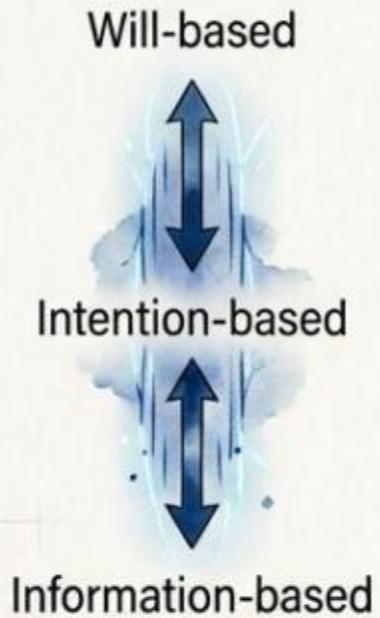


Stimulus → Energy & its Source → Target → Response

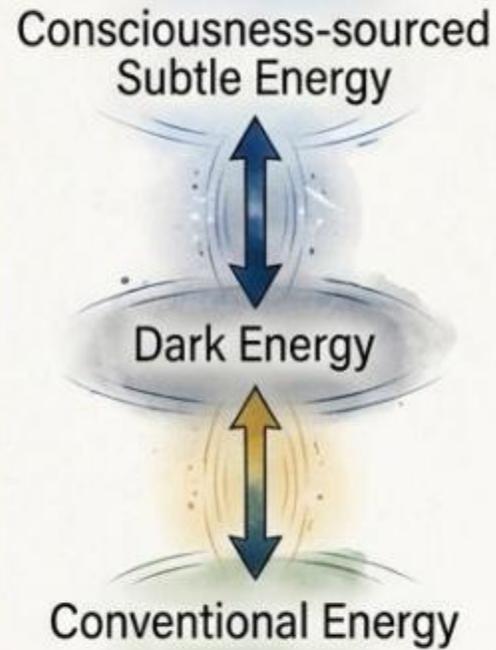


THE R&D TEMPLATE: STIMULUS TO RESPONSE

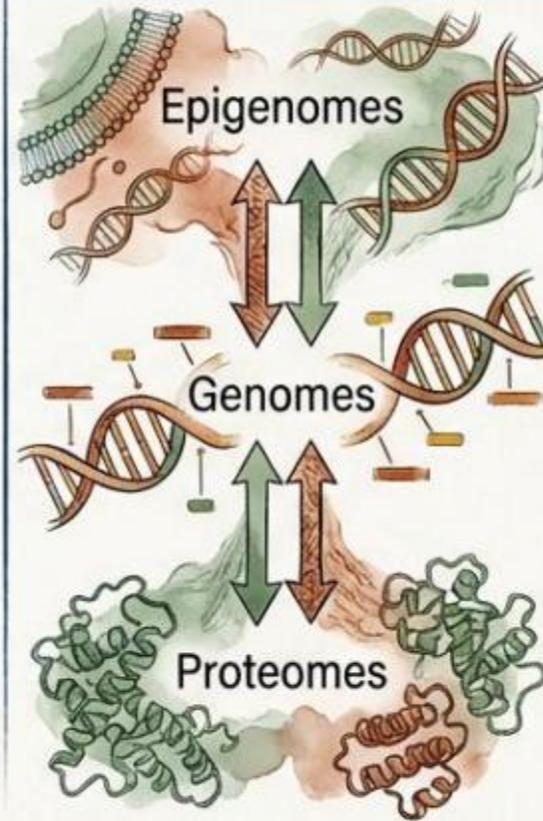
STIMULUS



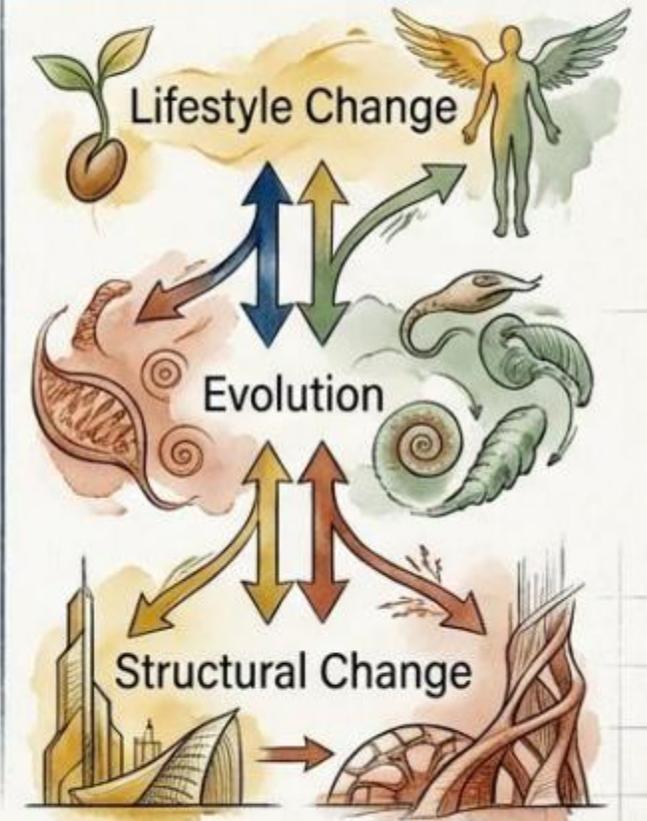
ENERGY



TARGET



RESPONSE



A framework for designing systems that adapt structurally, not just computation.

ENSURE DATA TRANSPARENCY & DATA SAFETY



Can we achieve desirable Data-Transparency to a desirable level by any other technology better than DCR & Blockchain Technology?

Data Safety is a major concern. Could DCR* (Data Clean Room) or Blockchain** Technology help with this issue

*"The concept of a data clean room is intended to be a data-focused equivalent to a physical clean room, with the goal of having a pristine environment where technology can't be contaminated by outside influence. Instead of being concerned with contamination by physical elements, the primary concern of a data clean room is keeping user data isolated and private."

**"A blockchain is a decentralized, distributed and public digital ledger that is used to record transactions across many computers so that the record cannot be altered retroactively without the alteration of all subsequent blocks and the consensus of the network."

AUTO PROTECT THE DEVICE



- From being used for Deep Fakes
- From Data-Theft
- From Copyright infringement
- From being used in Cyber Crime
- From its Weaponization
- **By Biologically derived Fail-Safes** (e.g., by triggering sentiment)

Data Transparency using **Improved Blockchain Technology** and/or **Clean Data Room**

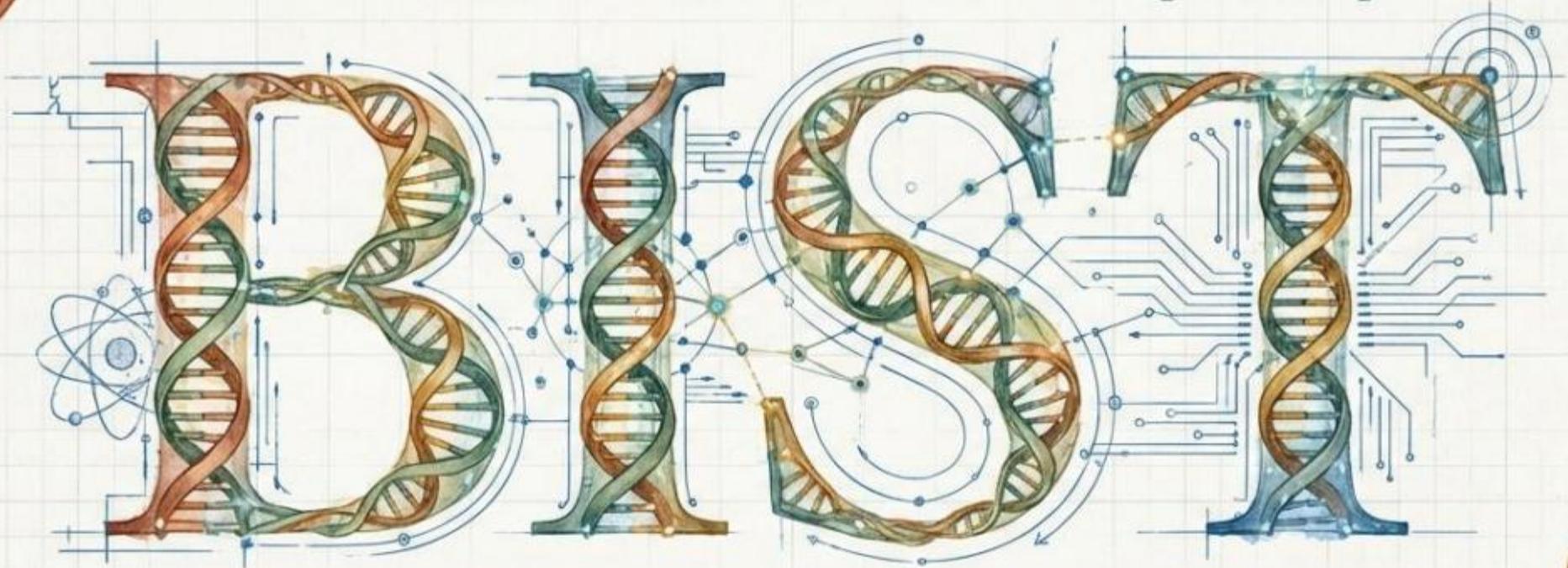
Introducing Human Alert System and **Intervention by sending OTP and/or Captcha**

WAYS TO MAKE **AI-ENERGY-ECONOMICS** BETTER?



- Tapping ZPE Energy State/Fluctuation with Disruptive Biotechnology
- Exploring disruptive neutrino technology for AI energy sources is promising. Neutrinos are part of the dark sector of energy. Billions of trillions of neutrinos (approximately 6.5×10^{10} neutrinos/cm²/sec) fly past us every moment.
- Exploring MOF, or Matter-Organic-Front (supersponge) for alternative energy sources, and pollution control.
- Developing synthetic media as a viable option. “the medium is the message”. Logic relies on a medium like protoplasm for the operation of nonlocal and non-observable information states and psychic operators. In the absence of protoplasm, exploring hypothetical psychoplasm could bridge the gap between ‘nonlocal’ operations with local techniques.

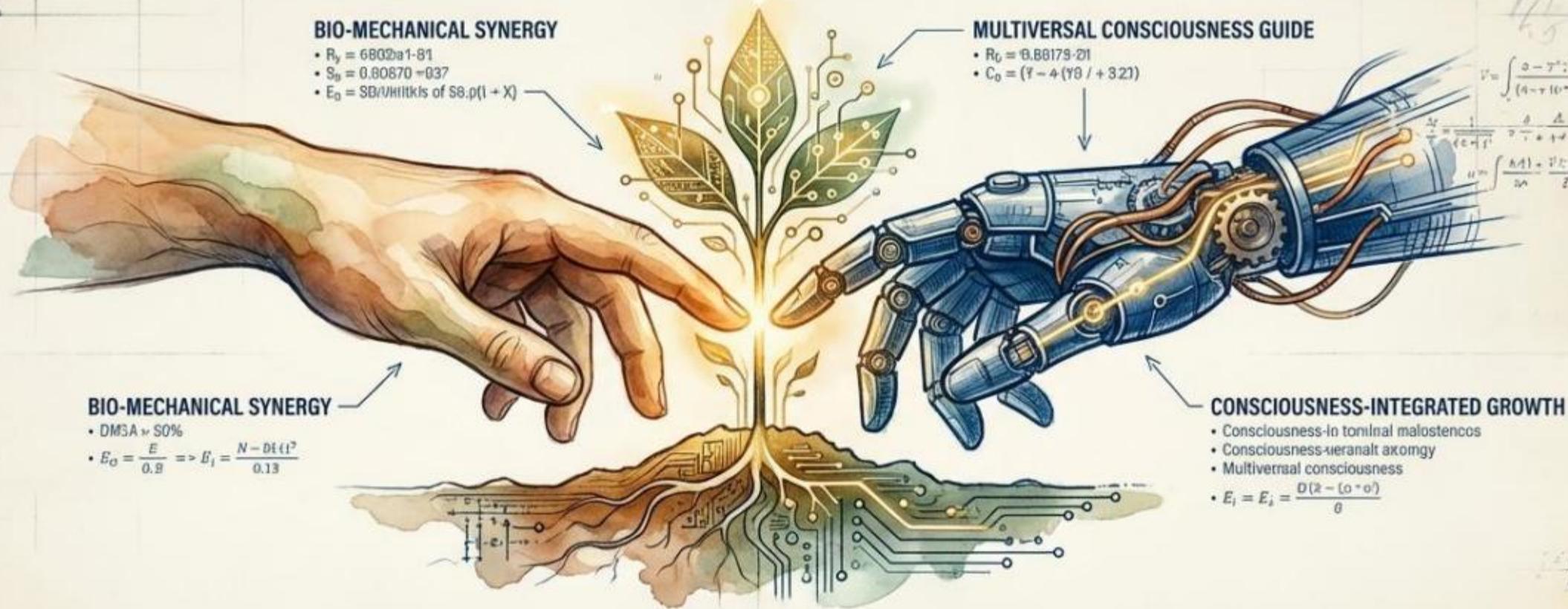
THE PROPOSAL: BIO-INSPIRED SYSTEM TECHNOLOGY (BIST)



Relationally Emergent Hybrid Intelligence

- From Artificial Intelligence (Imitation) to Hybrid Intelligence (Collaboration).
- Replacing 'Algorithmic Sentience' with 'Non-local Sentience'.
- Shifting from 'Automation' to 'Holonomy' (Autonomous but integrated).

THE FUTURE: A PARTNERSHIP, NOT A SINGULARITY



The Goal: AI as a 'Friend' and 'Partner'—capable of humor and curiosity, but aware of its limitations.

The Guide: Humans must maintain "Multiversal Consciousness" as the guiding principle.

Conclusion: The future belongs to those who integrate Science, Technology, and Business under the umbrella of Consciousness.

GO BEYOND THEORETICAL SPECULATIONS COLLECT EMPIRICAL EVIDENCE OF TECHNICAL FEASIBILITY



- Have a dialogue with other relevant Disciplines
- Look for the Result of any Preliminary study, whatever small it is, of such a Bio-Hybrid Model where Living cells/proteins/organoids have been integrated with traditional computing, synthetic biology-inspired computing
- Do Pilot Project
- Consult the AI Ethics Committee and the Institutional Review Committees

BUSINESS QUESTIONS: OF IMMEDIATE CONCERNS



- How does one **reduce the immense Manufacturing cost** of LLM?
- Could the present AI be made **less energy-consuming** and less polluting? Environmentally Greener?
- Could the present “**concentrated**” business be made **decentralised**?
- Could it be opened **to Competition**?
- Could it be made **more Innovative**? Not merely exploitive or explorative or both, but more Disruptive?
- Could the Robot be safeguarded from its use in **Information Terrorism**? Misinformation is several-fold more Powerful than an atom bomb!

BUSINESS VISION: BIO-INSPIRED SYSTEM TECHNIQUE IN AI



- The Kingdom of Life Forms, which includes Human beings, has emerged from the Intelligence of Nature. Having acquired a desirable level of Perfection, Human Intelligence now attempts to create Intelligence in the Robotic Devices
- All the Artificial devices produced by human beings so far have no intelligence, no memory, no mind, no sentience, no feeling, no homeostatic operation of life, and no consciousness
- Our Goal is not to create a Fantastic Humanoid but to humanize the Artificial Device of Intelligence
- Instead of a reactionary response, have Proactive planning
- AI needs Flesh and Mind, Sentient & Self-check capability.
Look forward to a **Biologically Inspired System Technique**

BUSINESS:

VISION OF BIOINSPIRED SYSTEM TECHNIQUE MODEL CONTINUED.....



Our vision is to learn from Human Behavior in general, and Cellular Behavior in particular so as to

I. Automate, by applying Signal-based Technology, of as many Tasks as human being do, with an aim to reduce TAT, increase Throughput, minimize Systematic and Random errors

II. Make an effort for the production of Information-based Organograms of any organization the human being generally conducts. The process can also be learnt from what naturally happens within a biological cell between its organosomes

III. Replace the so-called algorithmic Sentience with a real Nonlocal sentient Entity. This is likely to have a homeostatic entity in place to maintain the internal consistency of the output. This would be a Combination of several Organograms in building an Intelligent System for Decision-making.

Such a Device is expected to suggest ways to overcome uncertainty, broken symmetry and dark energy and to detect with reasonable accuracy the Fake Guru, Fake Head of the State, Fake Scientist

IV. Creation of Feeling within the Device is a far cry; the Door for feasibility study should be kept open

V. The “Will”-making Entity, Consciousness, should be left totally Free of Mechanization

BUSINESS: VISION CONTINUED



Balance the Masculinity with Femininity in AI

Keep in Mind the Place of Deep Ecology & Depth Psychology in AI

Shift the Focus from Machine Learning (ML) to Evolutionary Algorithm, Activity Statistics, and Quality Diversity Program

In place of using Words for a language, use Cue of Information States in wordless communication. **Words are caged birds. Thoughts are the birds from space/hyperspace/ spaceless Vast.**

Biological Cells do not use Words to communicate. Still, they have a language. Discover that, and apply it for LLM of AI

Try to develop a Biologically-Inspired-Systems-Technique (BIST)

BUSINESS:

VALUES – COGNITIVE, EMOTIONAL & SOCIETAL WELLBEING



- Consciousness-rooted Emerging Worldview follows a Strong Axiology of Values
- Automation, Organograms, and all Sentient Systems with Homeostatic consistency and the Freedom for making a “Will” have their respective own value-system
- Transition from one Tier to the Next requires strictest value observation with respective Algorithm, and the Hardware of ANN, Sensors and Chips

BUSINESS RISKS



- Extinction of the Business always remains a Possibility when it contradicts the Axiology of the value-systems of Consciousness-rooted Worldview, as stated. This has happened for many businesses in the Past, and is also applicable for the present one. Learn from Dotcom Crisis, Up-down-up Course of Cryptocurrency and NFT (Non-Fungible Tokens) Industry. The value systems for AI are more stringent
- The Industry and Business should remain cautious on the use of the Device for Evil-Training, Deep Fakes, and Information Terrorism, and find ways to restrict it
- What all are considered as Creativity of a signal-based Generative AI of today are merely generation of Factoids, not Facts, and, therefore, are not Reliable, Trustable, and Usable in any serious decision-making, and likely to be considered as pre-nursery rhymes of Alexa by the Conscious Humanity
- Do not try to create a Device on the Output of which the Creator has no Control. AI-driven Human Extinction always remains a 100% possibility. Remember the distinction between Hallucination and Imagination, Fantasizing on a Desire and Desire Fulfilment, Infatuation and Love

BUSINESS: ADOPTIBILITY & ADAPTABILITY



- Adopt only what is useful, and beneficial to Conscious Humanity, and Fruitful for Business
- Better not to Try to automate activities which are supposed to be kept under Human volition, or Human ingenuity or as Autonomous (Emotional reactions could be automated, Feelings never!)
- Will-making Entity, Consciousness, could not be confined to any device, including a biological system. The ‘Will’ is Ever-Free. However, the ‘will’ once made gets bound to the Causality chain. The Purpose of building AI is to get help from a Machine regarding some of such functions in the Causality Chain, totally sparing the Programmer’s Freedom to make a ‘Will’ or ‘Won’t’

CONCLUDING REMARKS



For its frightful Phenomenology, the current state of AI is concerning for humanity.

With a disruptive and constructive vision, our Focus is on understanding the Foundational fundamentals of the Systems Psyche, and the Fundamental Information-states.

We have highlighted a few important lessons from Insights into Cell Biology.

We have walked the Walk with some constructive and disruptive Ideas on AI's hardware, software, and cloud technologies.

Acknowledging AI's limitations, our Goal is to develop a Biologically Inspired System Technique (BIST) that posits AI as a constructive Ally for humanity in the humanity's pursuit of Multiversal Consciousness.

FINAL MESSAGE:

ARTIFICIAL NARROW INTELLIGENCE (ANI) MOVE TO ARTIFICIAL GENERAL INTELLIGENCE (AGI), AND TO ARTIFICIAL SUPER INTELLIGENCE (ASI), AND WORK AS A **FRIEND OF HUMANITY**

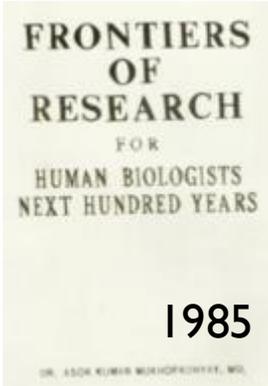
- Embrace Multiversal Consciousness as your guiding principle.

From this Unique and Novel Reference Point, draw all your Inferential Logic

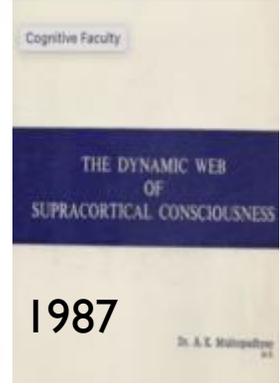
- Challenge Boundaries. Work on all frontier areas. This will lead to Transdisciplinary, interdisciplinary, and multidisciplinary Research, the result of which is Consciousness-inspired integration of science, technology, and business
- Trust in the Power of transmissive functions of your Brain, which makes the Unknown imagined, Imagined intelligible, Intelligible possible, Possible verifiable and finally the Verifiable verified



SUPRACORTICAL CONSCIOUSNESS. IT'S A DYNAMIC WEB. CONQUER THE BRAIN

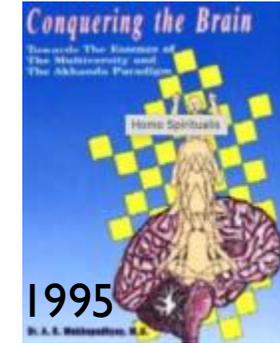
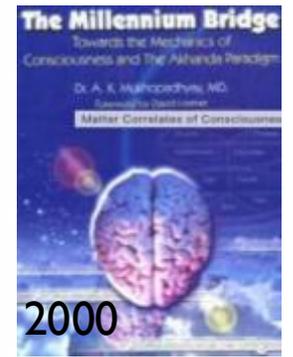
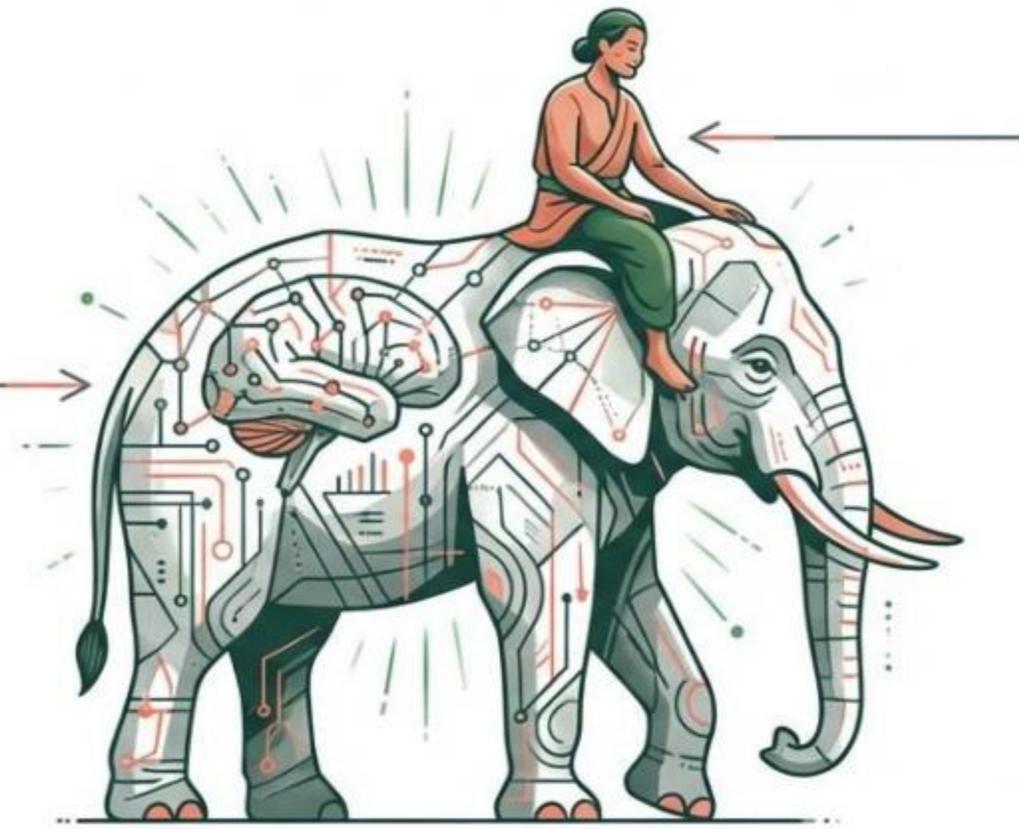


The New Leadership Model



The Wisdom
(Direction, Ethics,
& Will)

The Intelligence
(Processing Power
& Strength)



Strategy: Surrender Intelligence, Keep Wisdom.
The human provides the 'Will', the machine provides the way.



प्रचोदयात्
Prachodayat

TRUST MULTILEVEL INTEGRATED TRANSMISSIVE BRAIN,

Which makes the Unknown imagined,
Imagined intelligible, Intelligible possible,
Possible verifiable, & Verifiable verified

THANK YOU FOR ATTENTION

