

Biophysics, Quantum Physics & Neuro Aesthetics Research – Applications - Art



Convergence 2008

Charles Ostman

Charles000@aol.com

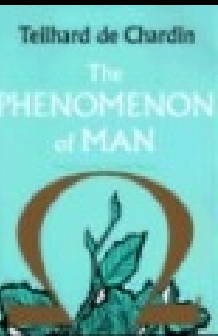
www.historianofthefuture.com

Cosmic Embryogenesis (in Three Easy Steps)

Geosphere/Geogenesis
(Chemical Substrate)

Biosphere/Biogenesis
(Biological-Genetic Substrate)

Noosphere/Noogenesis
(Memetic-Technologic Substrate)



Pierre Teilhard de Chardin
(1881-1955)

Le Phénomène Humain, 1955

**Jesuit Priest, Transhumanist,
Developmental Systems Theorist**

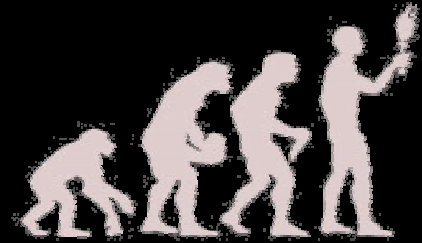
De Chardin on Acceleration: Technological “Cephalization” of Earth



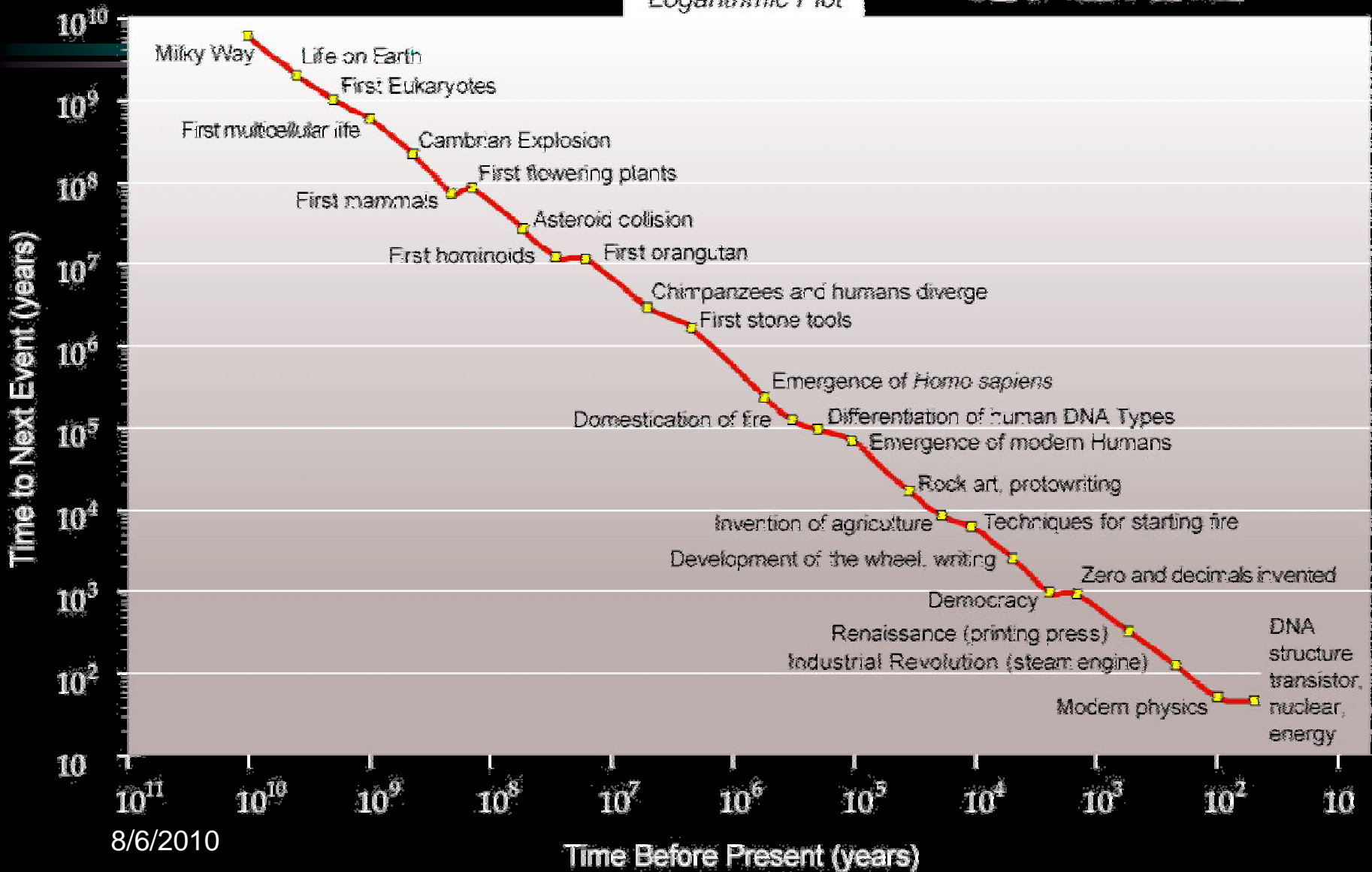
"No one can deny that a network (a world network) of economic and psychic affiliations is being woven at ever increasing speed which envelops and constantly penetrates more deeply within each of us. With every day that passes it becomes a little more impossible for us to act or think otherwise than collectively."

**“Finite Sphericity + Acceleration =
Phase Transition”**

Canonical Milestones

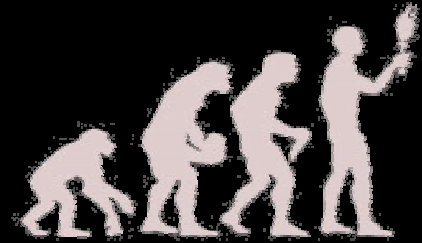


Logarithmic Plot

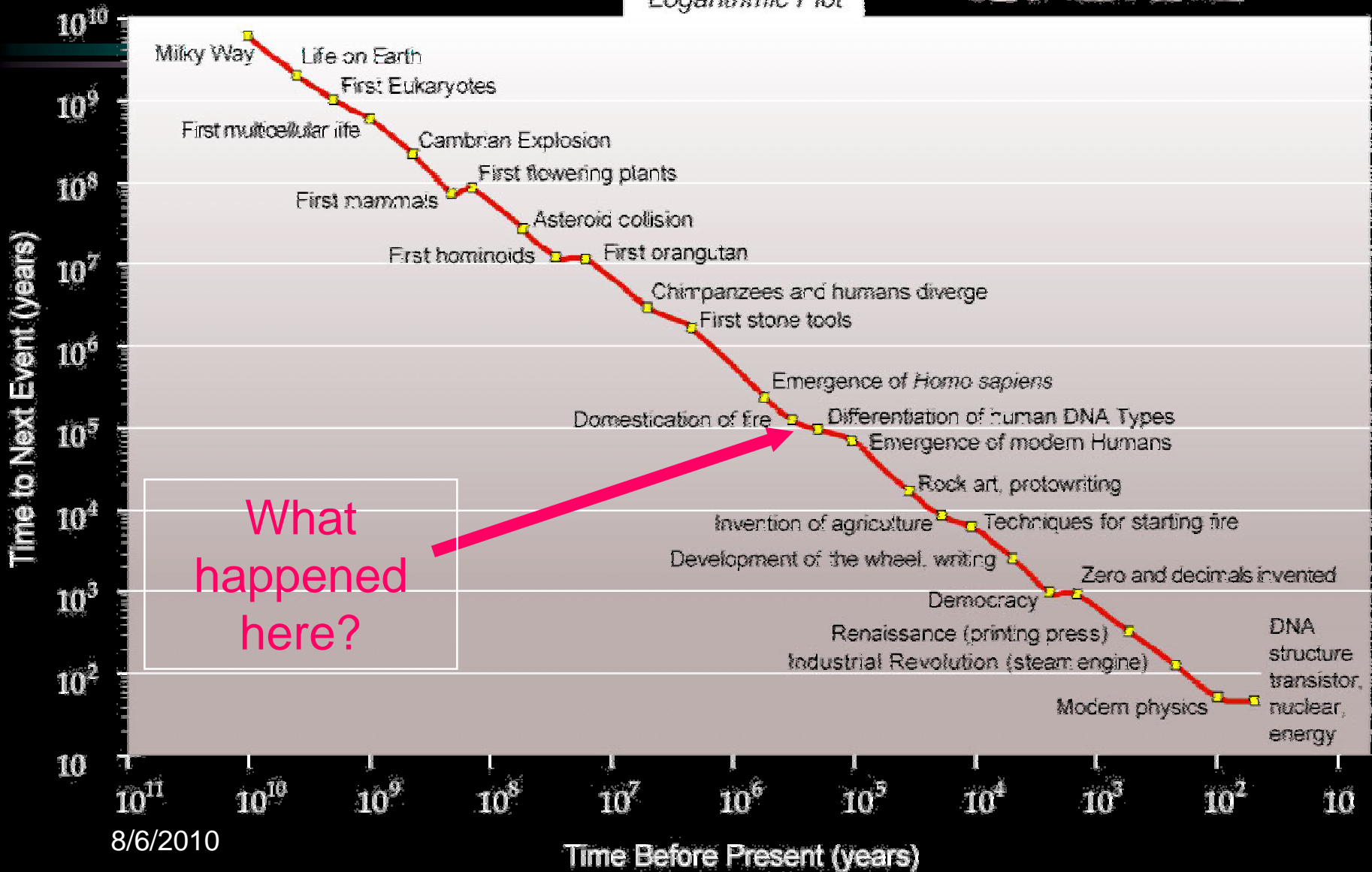


8/6/2010

Canonical Milestones



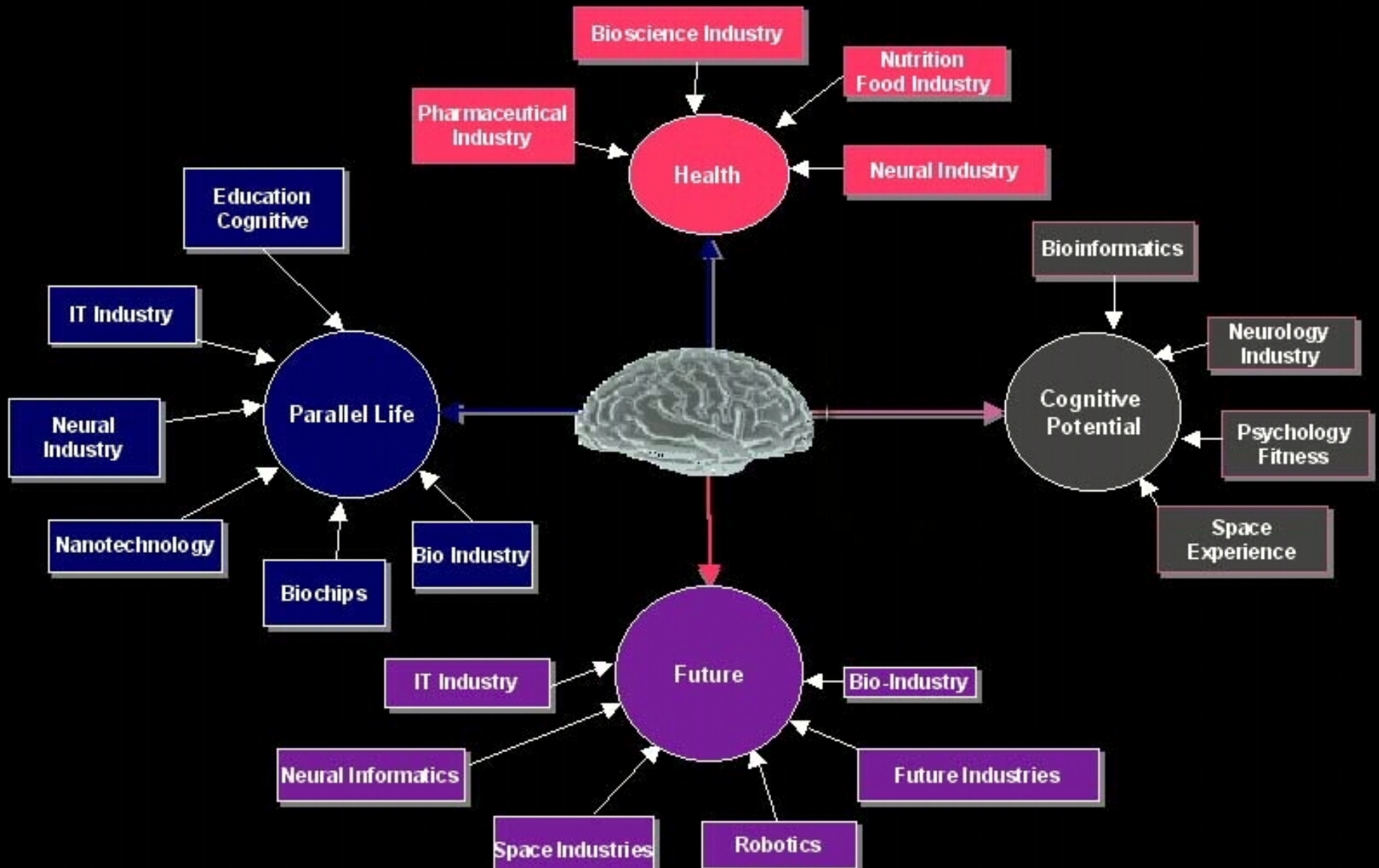
Logarithmic Plot



What happened here?

Primary Convergence Vectors

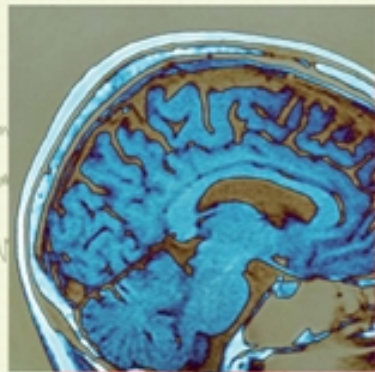
Industries Segments in Neural Industries 2002-2020



Neuro Aesthetics – the next realm of Consciousness Enhancement

Exploring the Mind

What Our Brain Reveals about Our Thoughts



11th Berlin Colloquium of
the Gottlieb Daimler and
Karl Benz Foundation

May 9th 2007
Berlin

Scientific Coordinators:
Prof. Dr. John-Dylan Haynes
Prof. Dr. Gabriel Curio

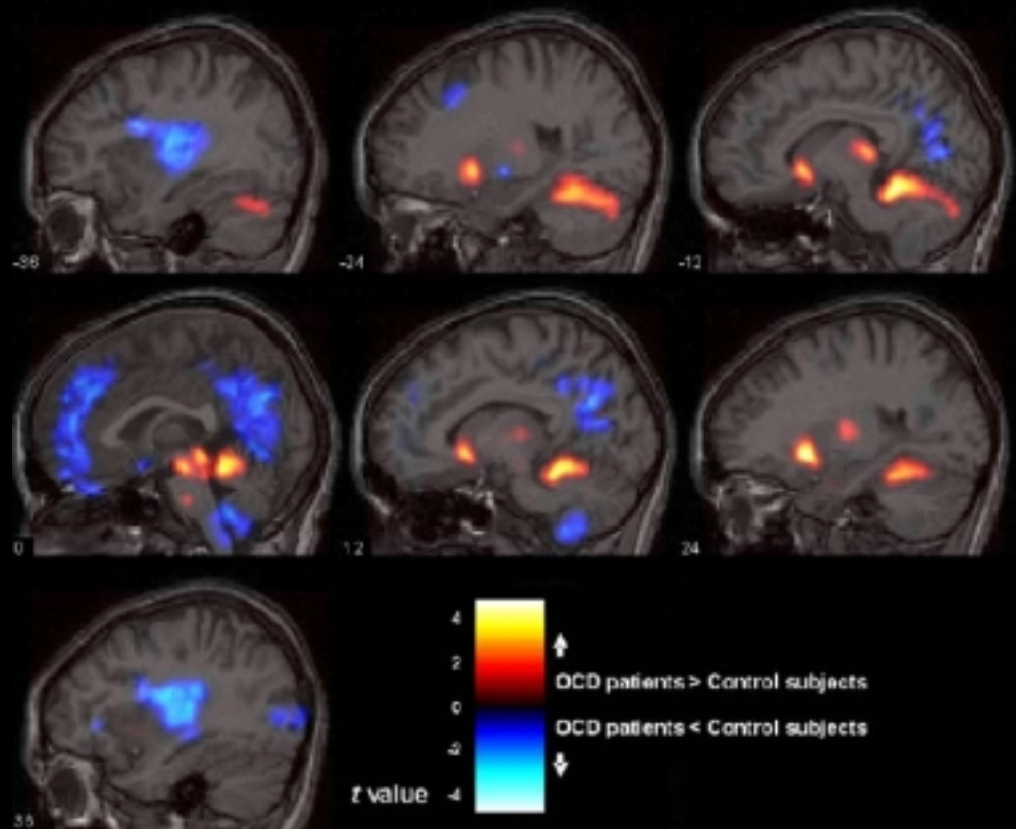
Speakers:

Cornelius Borck
Gabriel Curio
Rainer Goebel
John-Dylan Haynes
Christof Koch
Daniel D. Langleben
Thomas Metzinger
Miguel A. L. Nicolelis
Adrian Owen
Henrik Walter
**Information and
Registration:**
www.daimler-benz-stiftung.de



GOTTLIEB DAIMLER-
LIND
KARL BENZ-STIFTUNG

In cooperation with the
Bernstein Center
for Computational
Neuroscience Berlin
and the Charité
University Medicine
Berlin



Neuro Aesthetics – the next realm of Consciousness Enhancement

Collective Consciousness Enhancement Evolution of the Hybrid Quantum Meta-Organism

NEUROAESTHETICS

CONVENED BY WARREN NEIDICH ACE-AHRB FELLOW AT
GOLDSMITHS COLLEGE AND CHARLIE GERE

ART IS AN INTERDISCIPLINARY FIELD OF KNOWLEDGE, ONE
PRODUCTION AND REPRODUCTION OF CULTURE AS PART OF
THE HUMAN EXPERIENCE AND AS A MEANS OF EXPRESSION. THE
ARTS AND HUMANITIES ARE A MEANS BY WHICH THEY ARE
EXPLAINED AND UNDERSTOOD. THE ARTS AND HUMANITIES
ARE A MEANS BY WHICH THEY ARE UNDERSTOOD AND
REPRODUCED. CONCEPTS SUCH AS AESTHETICS,
PERCEPTION, MEMORY AND COGNITIVE NETWORKS, PLASTICITY
AND LANGUAGE OFFERS A NEW PARADIGM FOR UNDERSTANDING
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PRACTICES AND ARE CONSIDERED AS A MEANS OF
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THE COLLOQUIUM CREATES A NEW PARADIGM FOR
UNDERSTANDING AESTHETICS, PSYCHOLOGICAL,
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PLENARIES:

PAUL BACHY-RITA
DIEDRICH DIEDRICHSEN
OLAFUR ELIASSON
JOSEPH KOSUTH
SARAT MAHARAJ
BRIAN MASSUMI
PAUL MILLER AKA DJ SPOOKY
MARCOS NOVAK
BARBARA MARIA STAFFORD

20-21 MAY 2005

GOLDSMITHS COLLEGE, UNIVERSITY OF LONDON
NEW CROSS, LONDON SE14 6NW, UK
IAN GULLAND LECTURE THEATRE

FOR TICKETS AND PROGRAMME VISIT www.goldsmiths.ac.uk/neuroaesthetics

TO REQUEST A FREE COPY OF THE PROGRAMME VISIT www.goldsmiths.ac.uk/neuroaesthetics

PROGRAMME 05 05

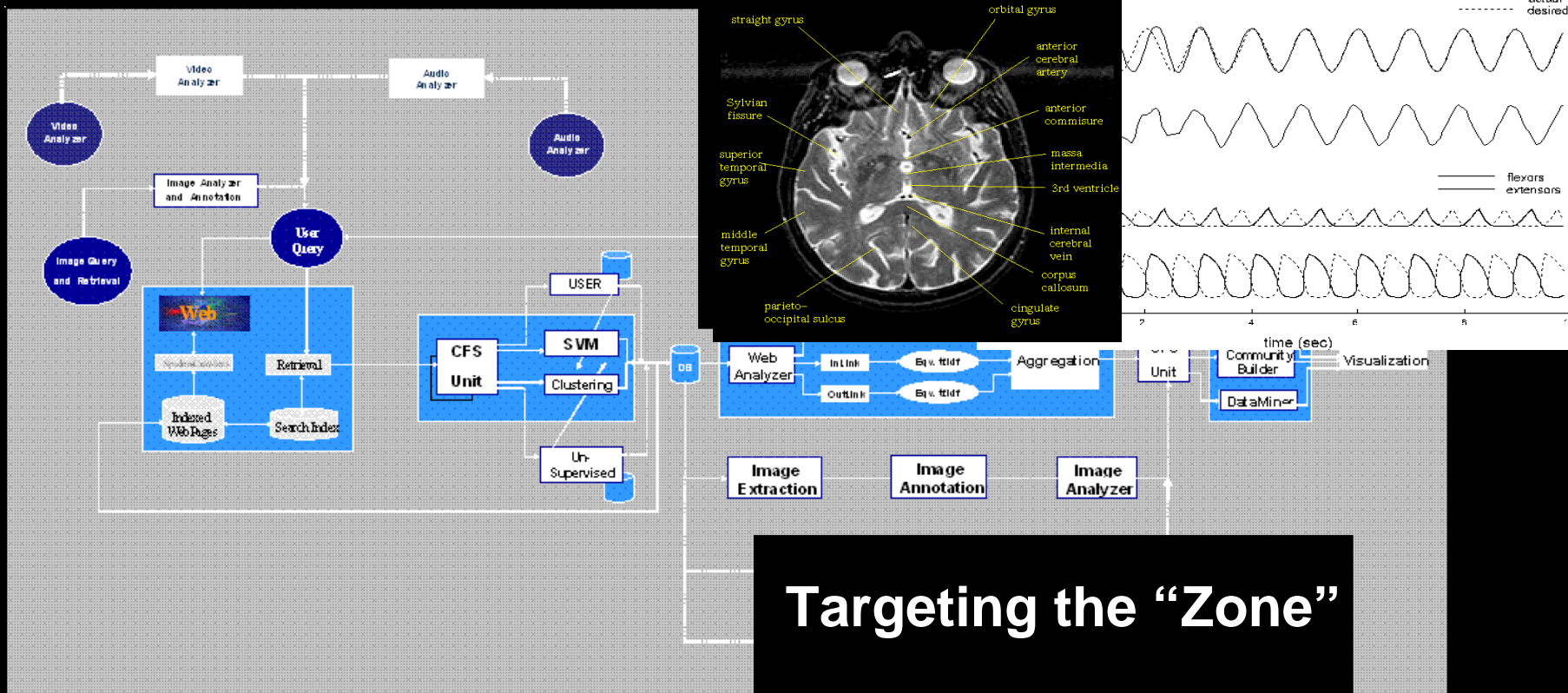


Mapping the
intersection of
inspiration and
consciousness

Neuro Aesthetics – the next realm of Consciousness Enhancement

Collective Consciousness Enhancement

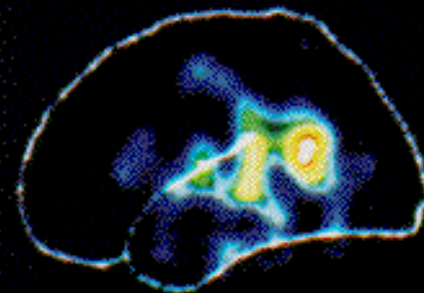
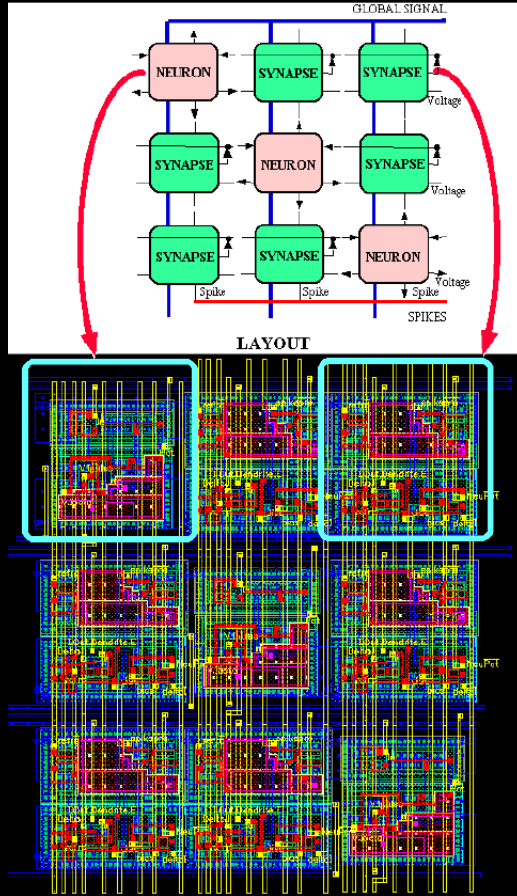
Evolution of the Hybrid Quantum Meta-Organism



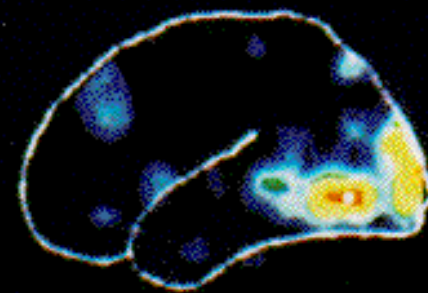
Neuro Aesthetics – the next realm of Consciousness Enhancement

Collective Consciousness Enhancement

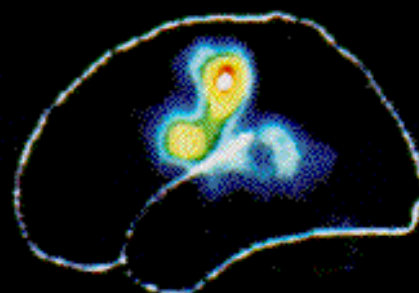
Evolution of the Hybrid Quantum Meta-Organism



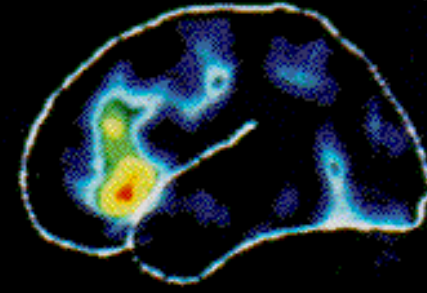
Hearing words



Seeing words



Speaking words

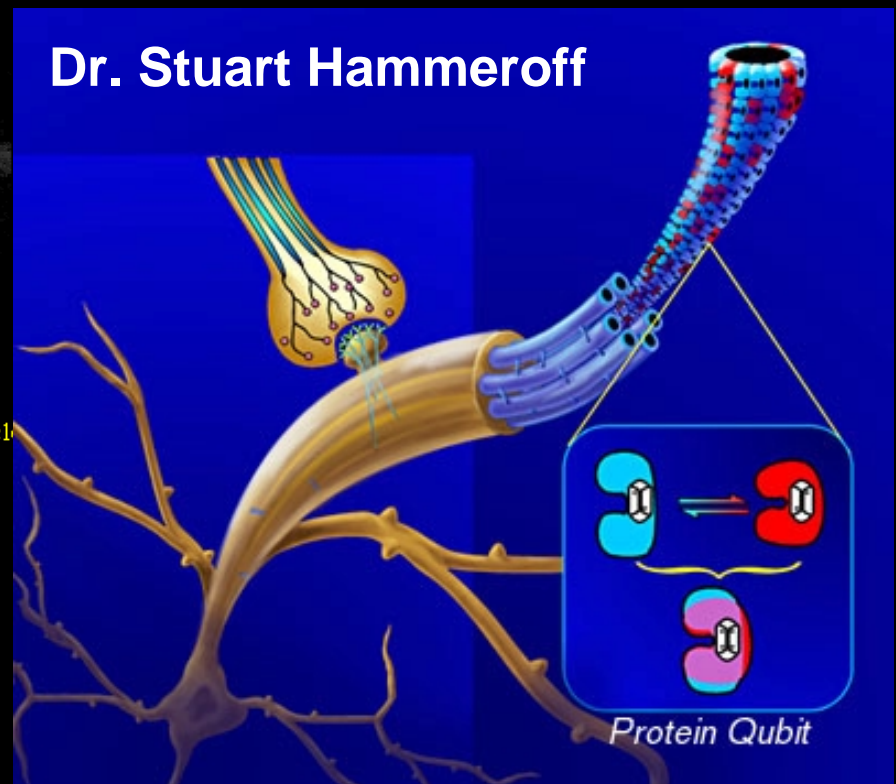
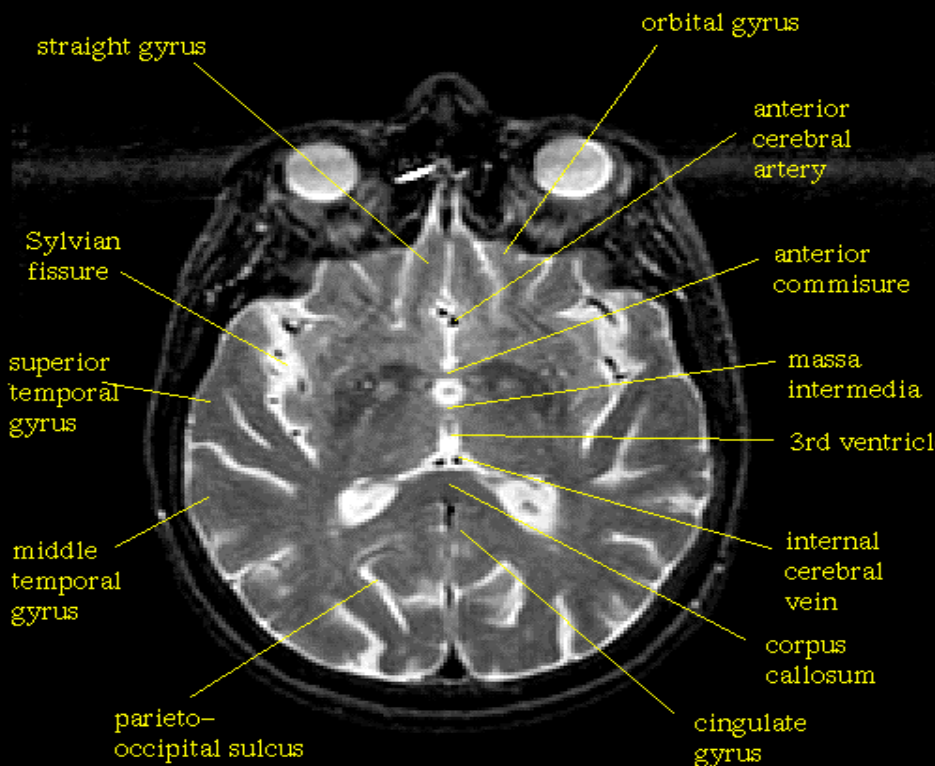


Generating words

Neuro Aesthetics – the next realm of Consciousness Enhancement

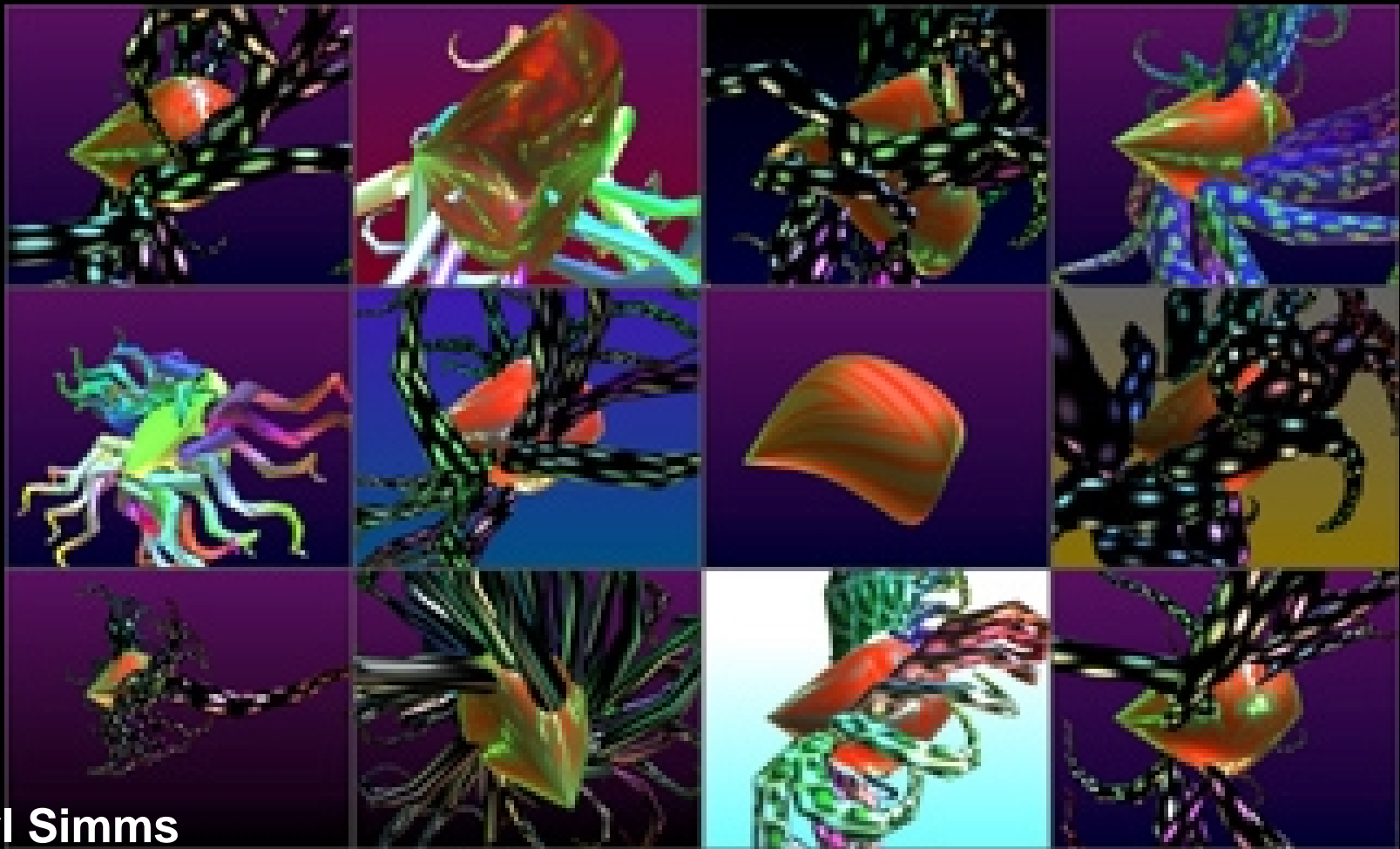
Collective Consciousness Enhancement

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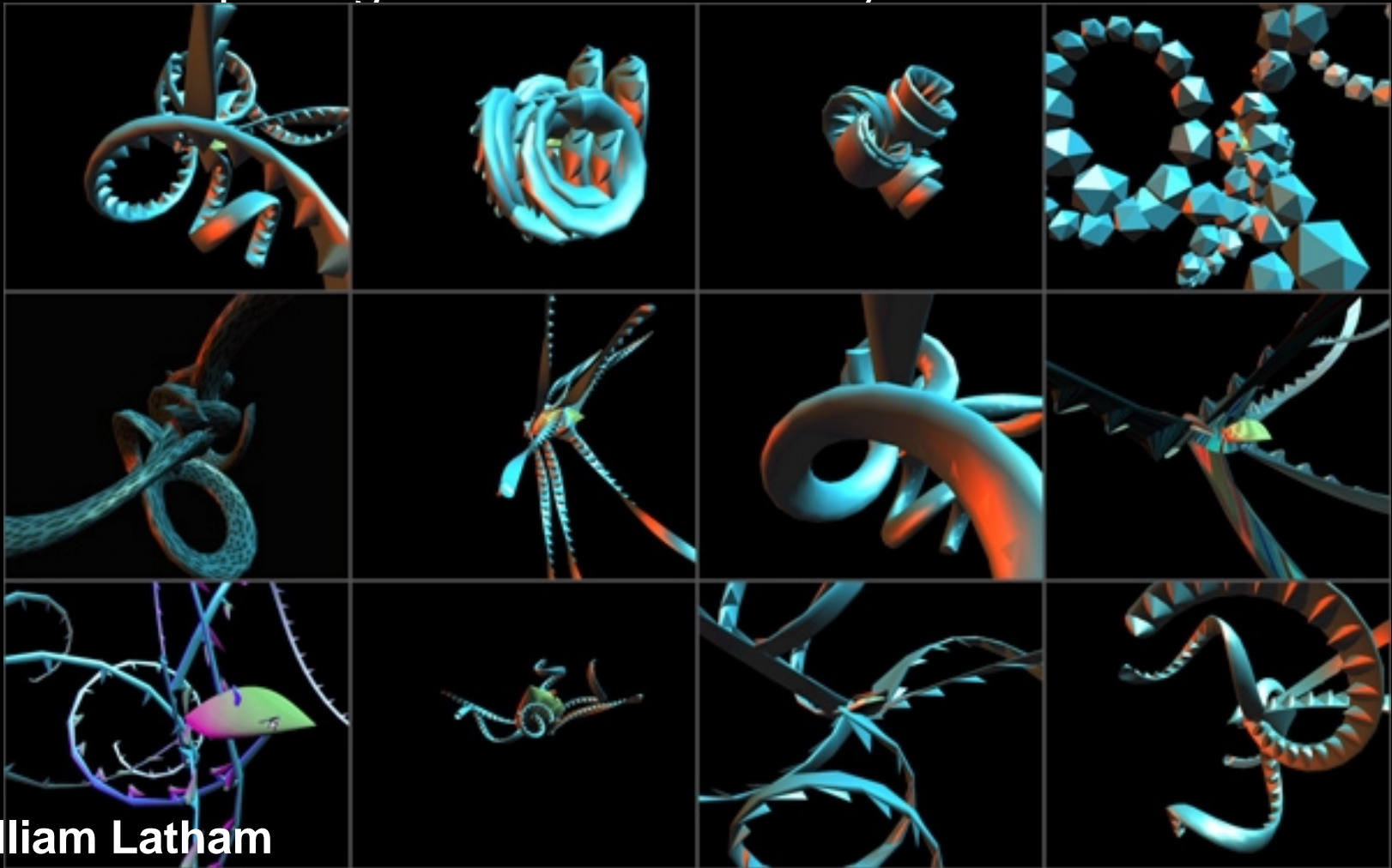
Neuro Aesthetics – the next realm of Consciousness Enhancement

Exploring the Aesthetics of Synthetic Nature



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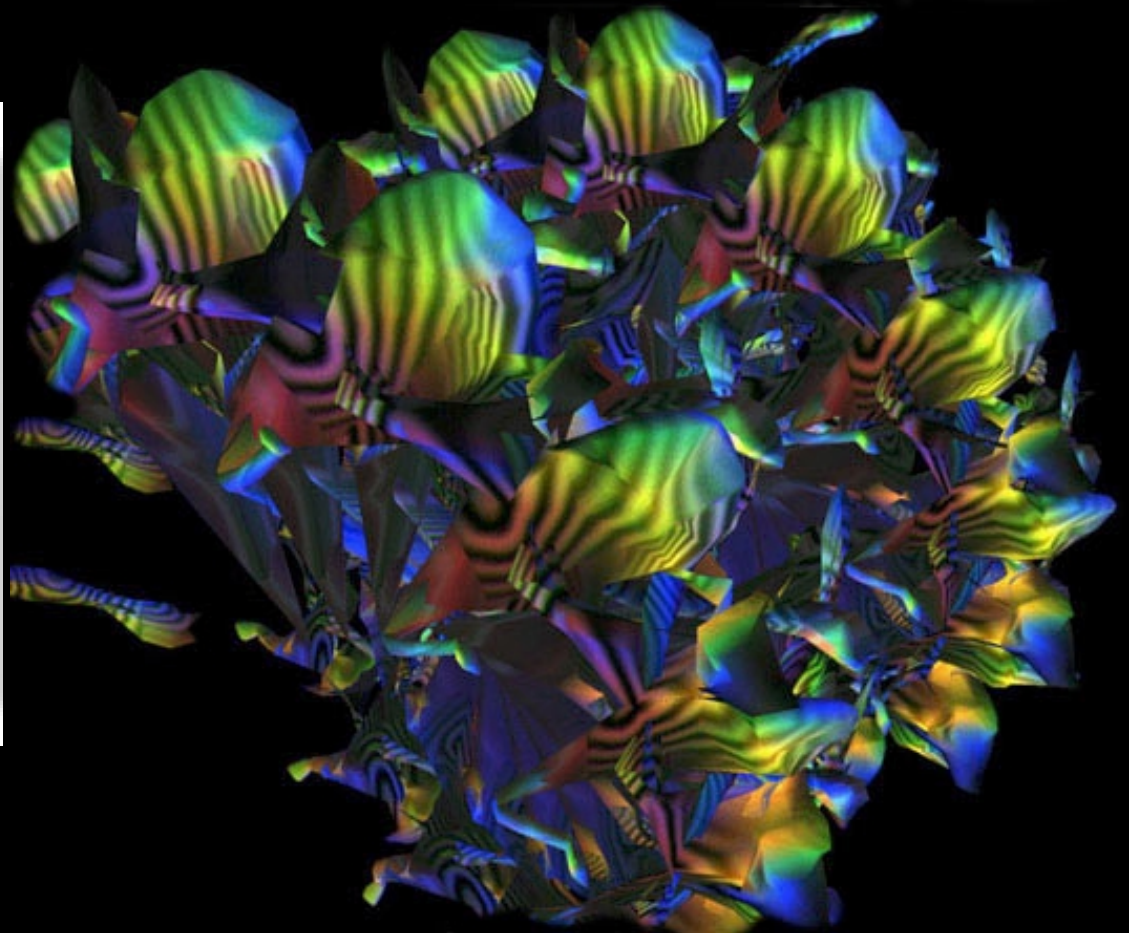
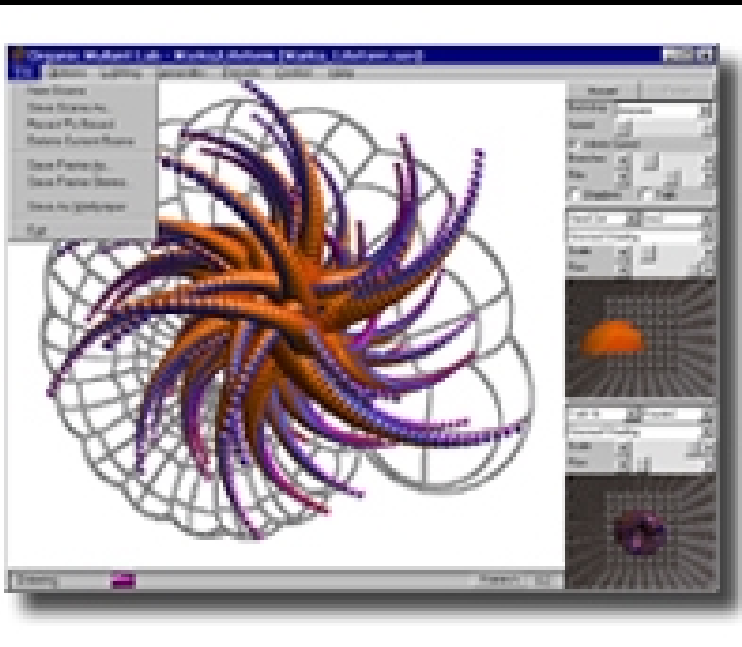


Inspiration and
consciousness

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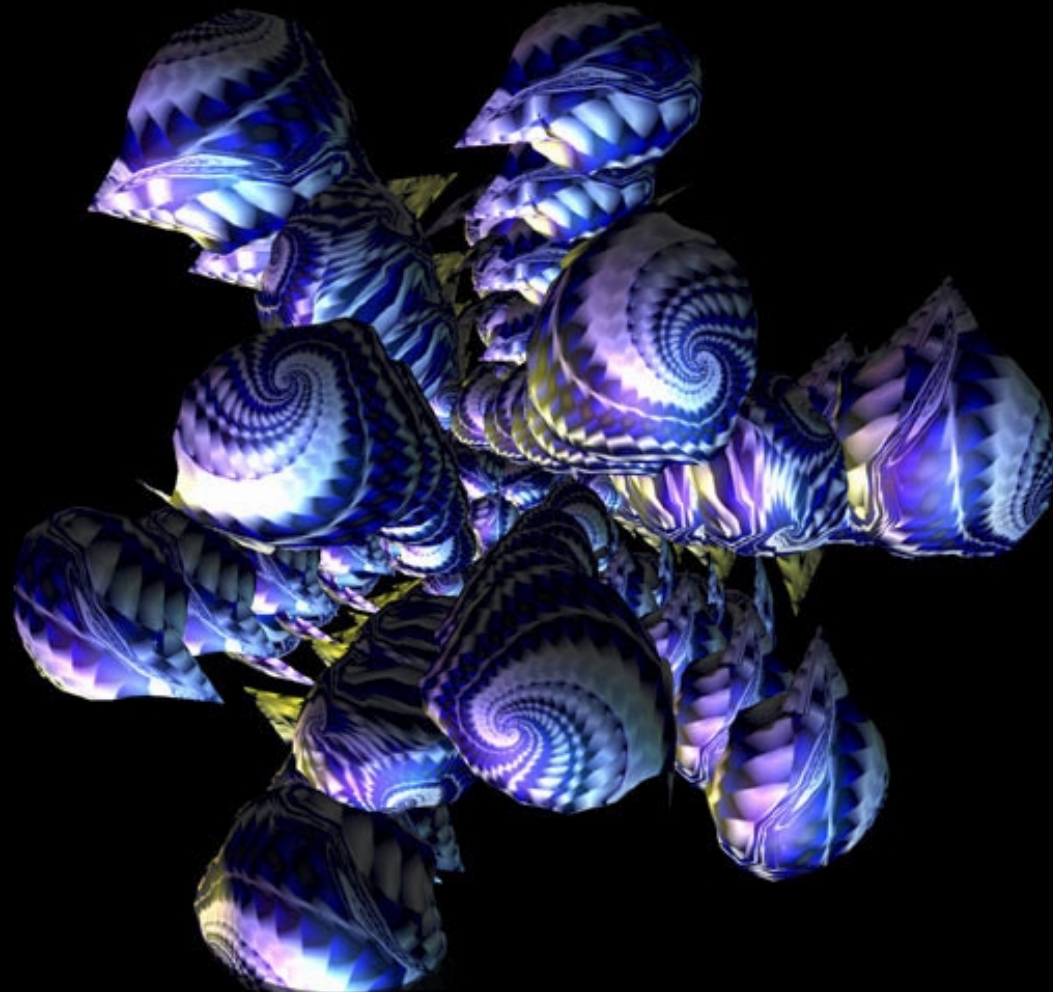
Neuro Aesthetics – the next realm of Consciousness Enhancement

Exploring the Aesthetics of Synthetic Nature



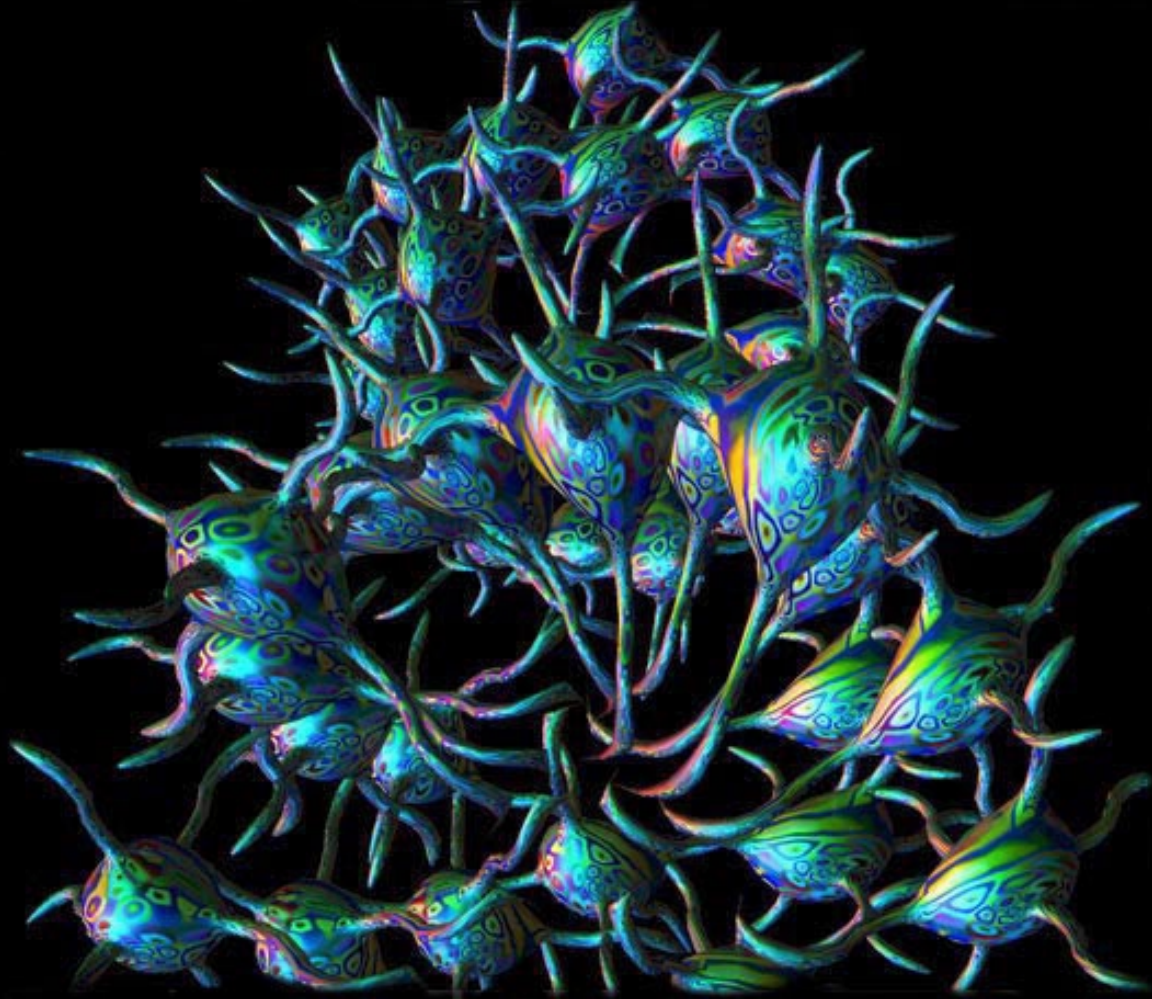
Neuro Aesthetics – the next realm of Consciousness Enhancement

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Neuro Aesthetics – the next realm of Consciousness Enhancement

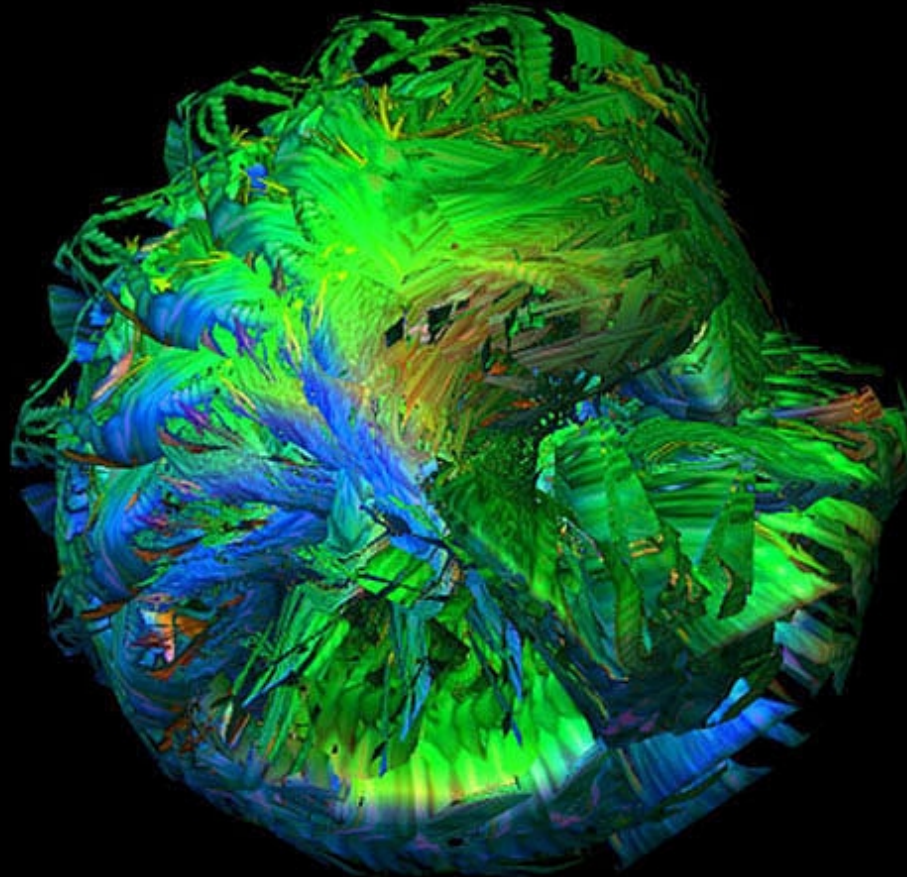
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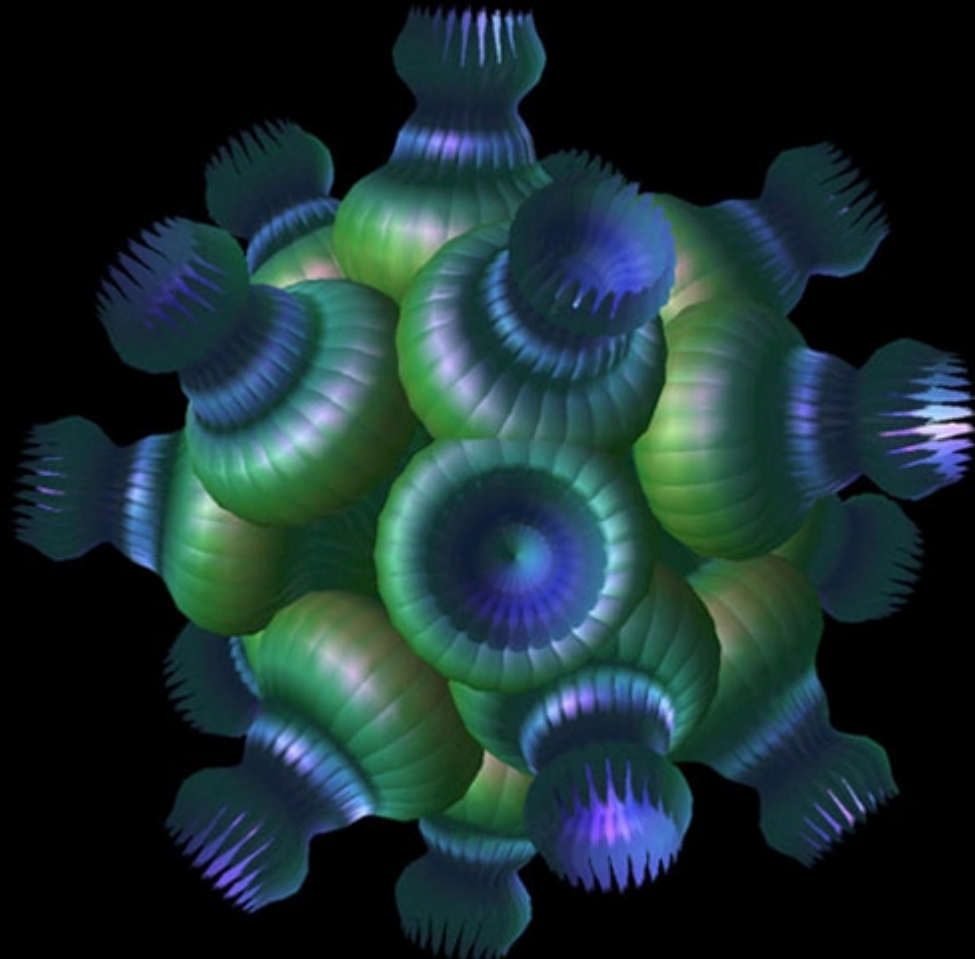
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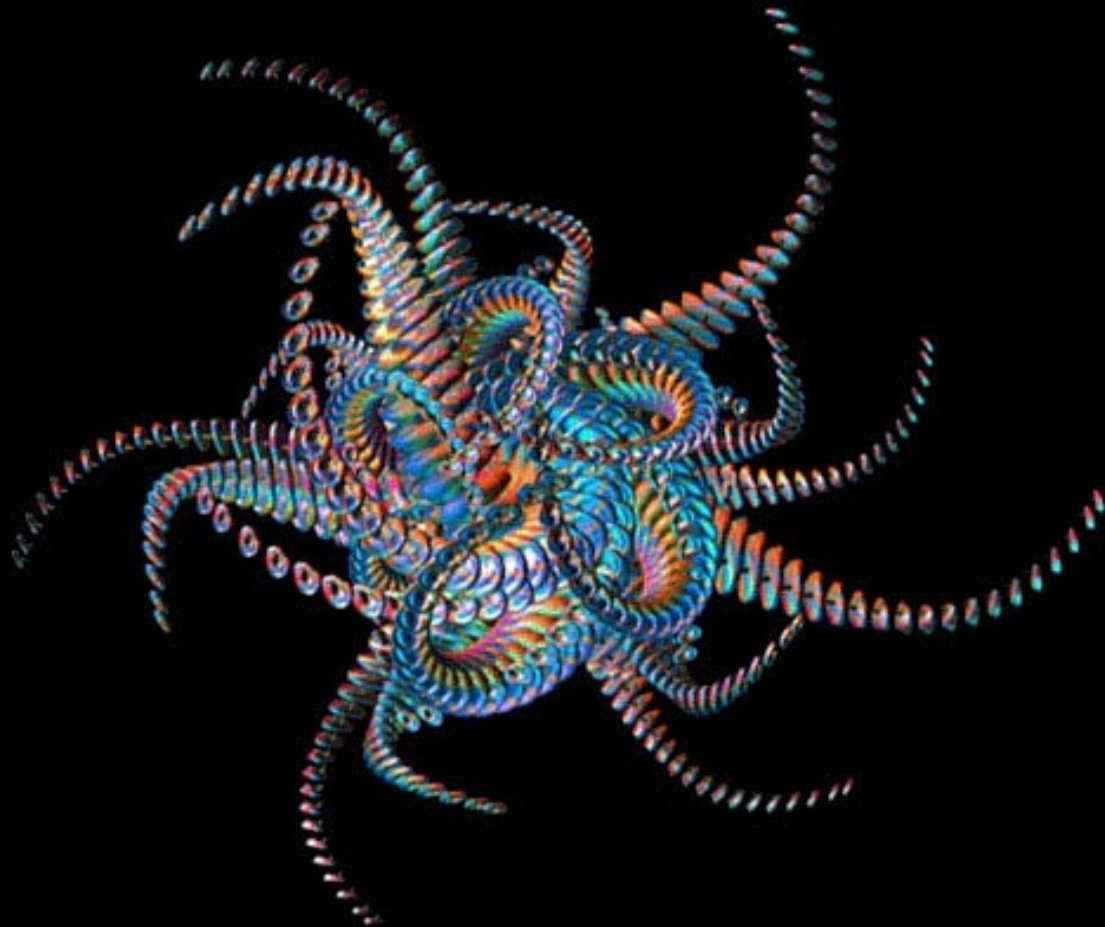
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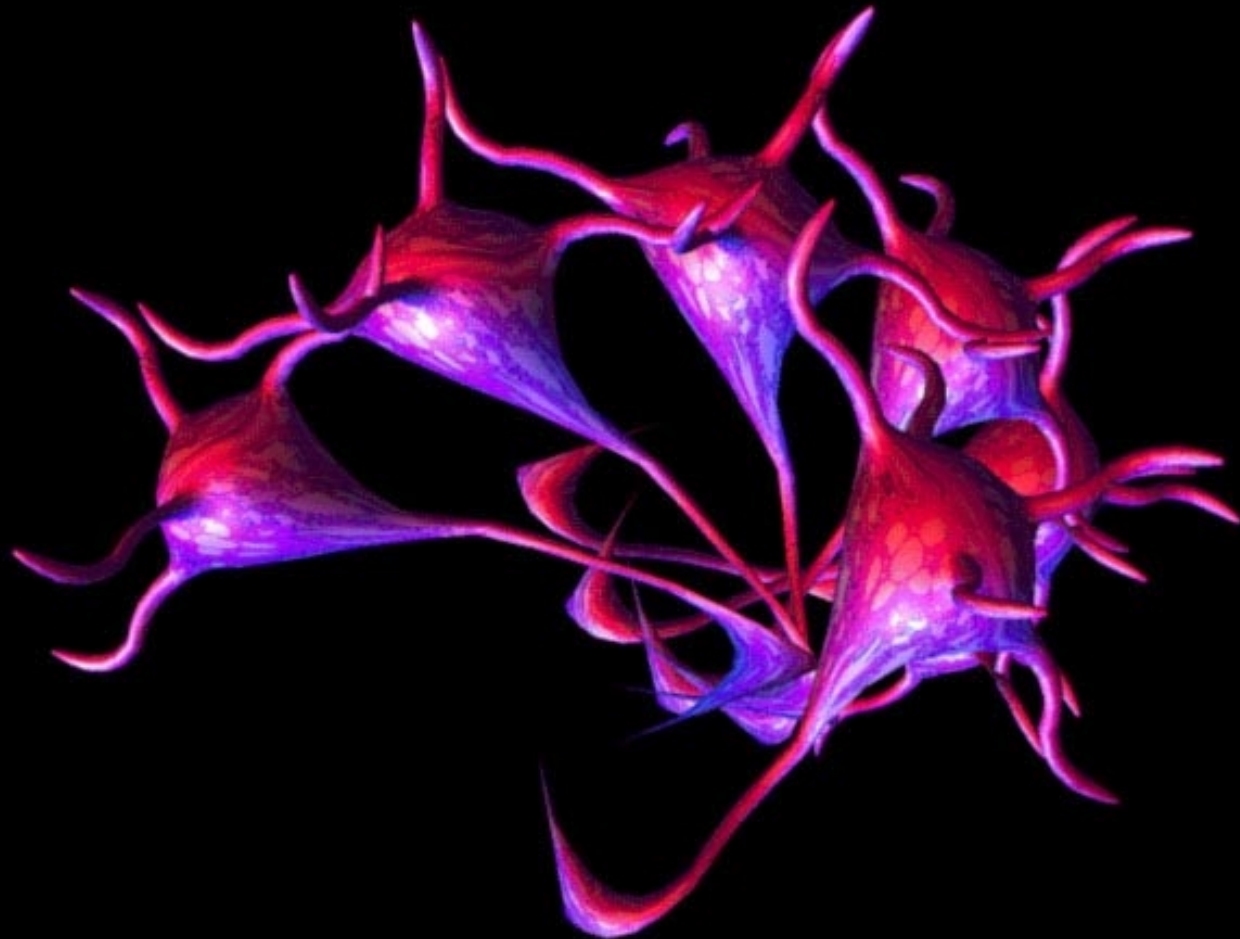
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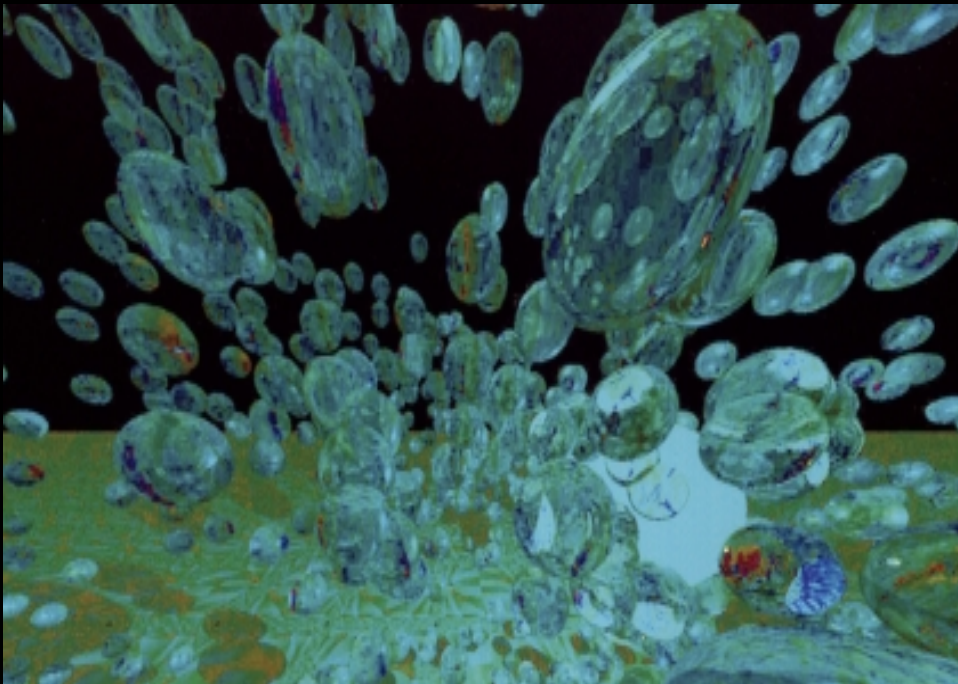


8/6/2010

Evolutionary Process Dynamics

“I believe that fractals respond to a profound uneasiness in man” - *Benoit Mandelbrot*

- Evolution tends to be a trauma induced process
- Fractal system model - operates at all scales, from the individual, to the collective, entire systems
- Provided the periodicity and amplitude of trauma cycles do not exceed the system capacity to respond, ***the system tends to evolve to a more robust form***

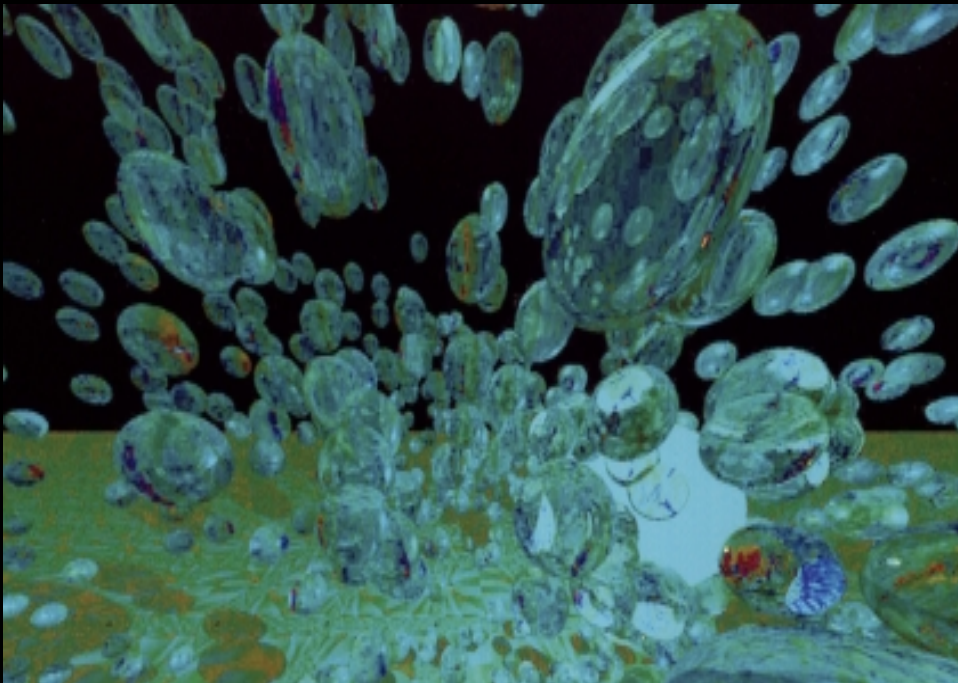


Possible conclusions –
Evolutionary pathways

Evolutionary Process Dynamics

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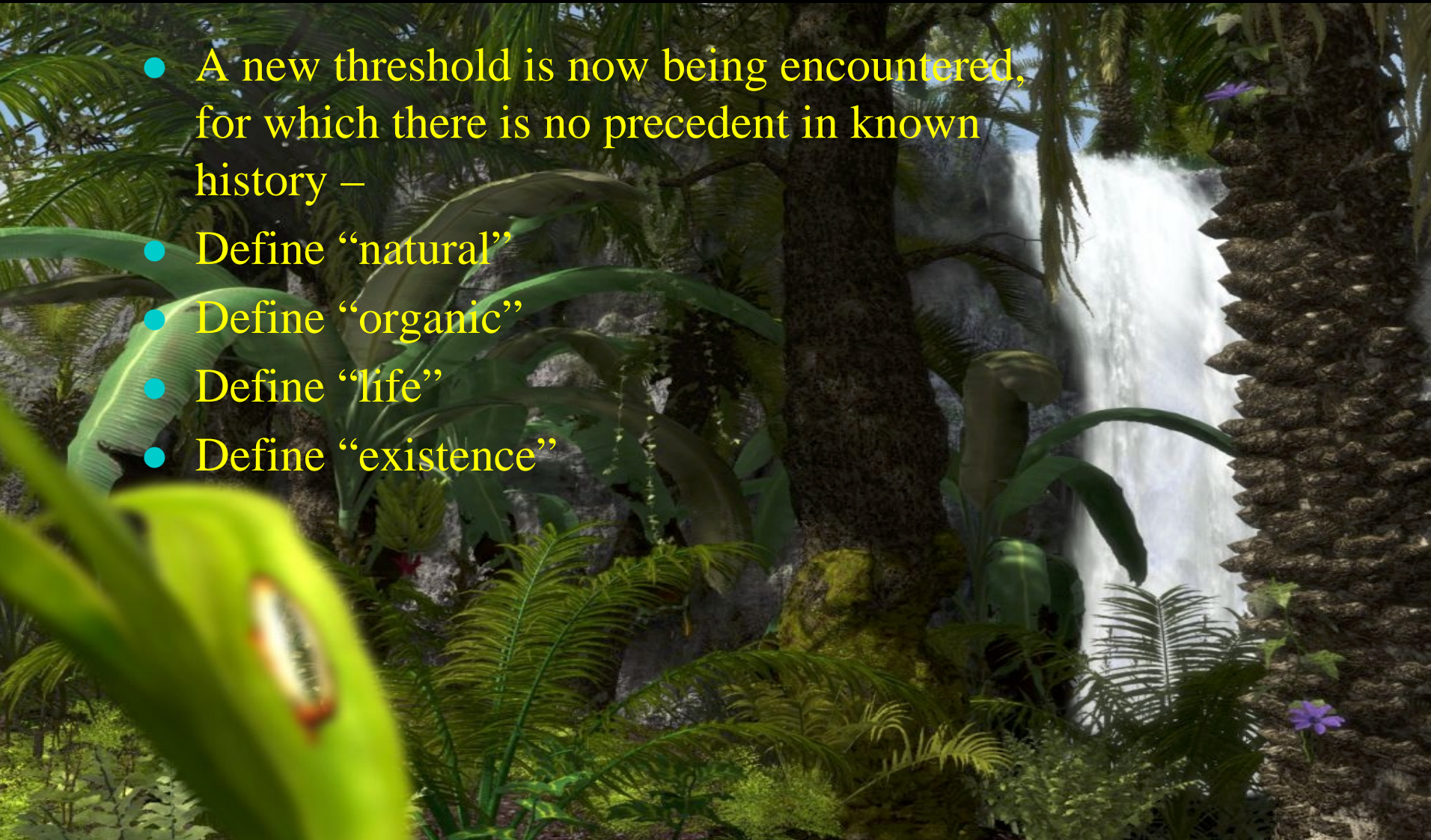
"We never stop investigating. We are never satisfied that we know enough to get by. Every question we answer leads on to another question. This has become the greatest survival trick of our species."

--

Desmond Morris

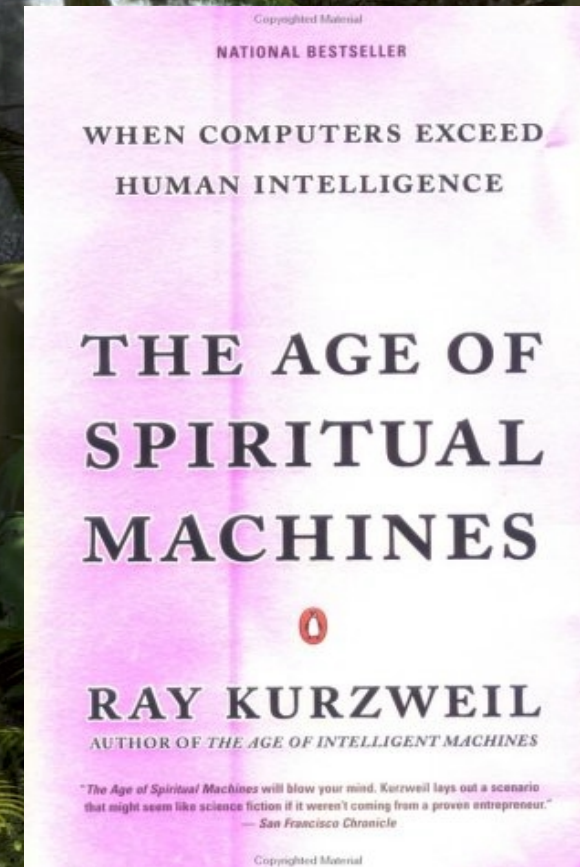
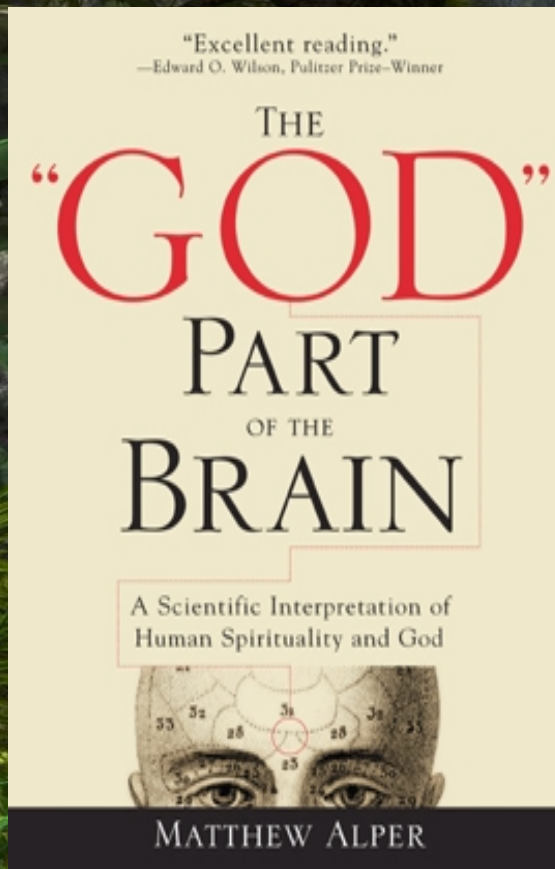
Existence Imperatives of the Evolutionary Eventstream

- A new threshold is now being encountered, for which there is no precedent in known history –
- Define “natural”
- Define “organic”
- Define “life”
- Define “existence”



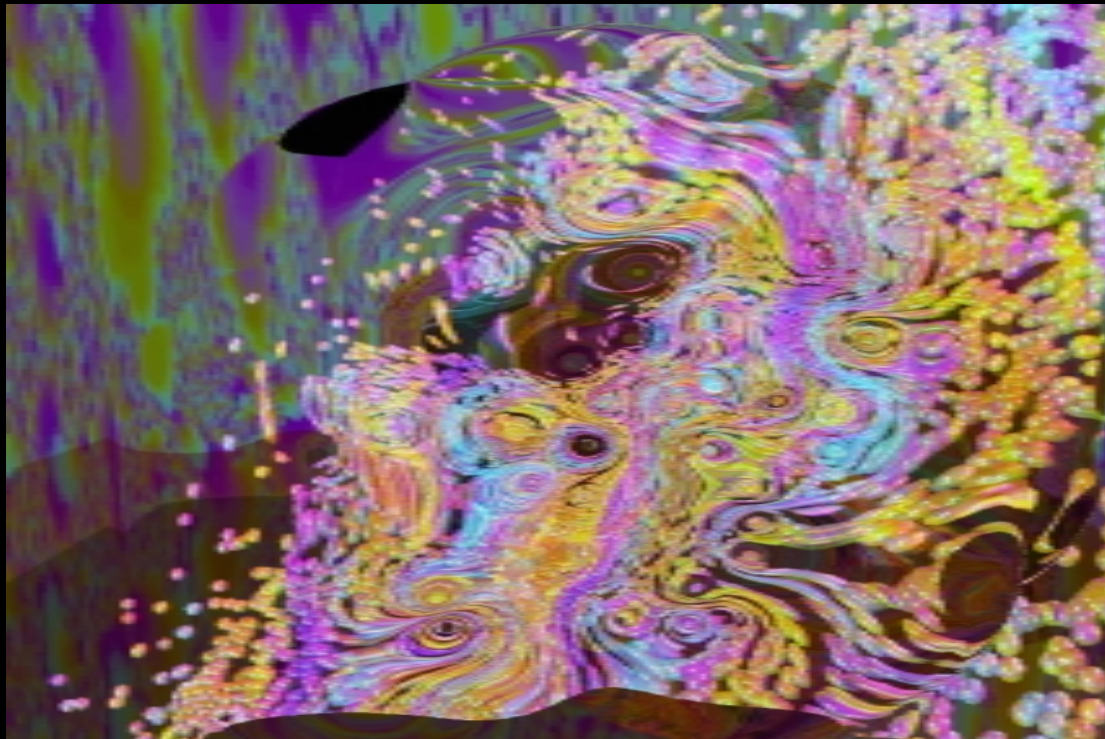
Existence Imperatives of the Evolutionary Eventstream

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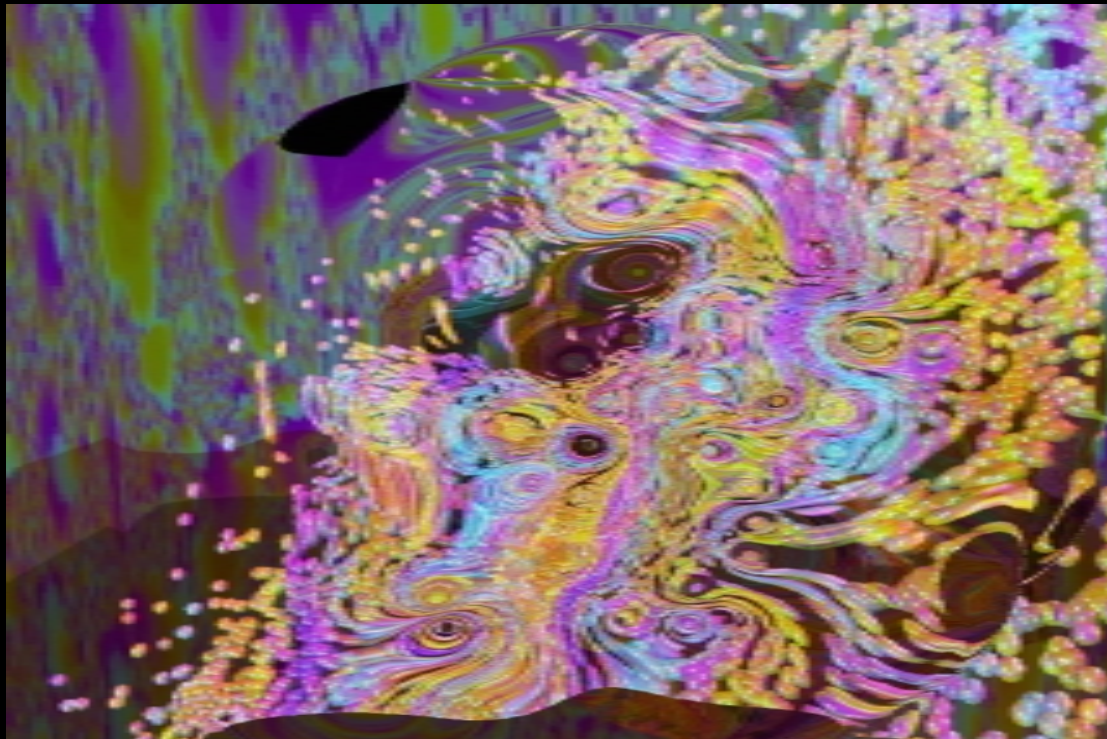
Think Different – Think *Holographic*

- Transition from localized to non-localized cognition
- System level morphology as the objective
- Physical and spiritual synchronicity



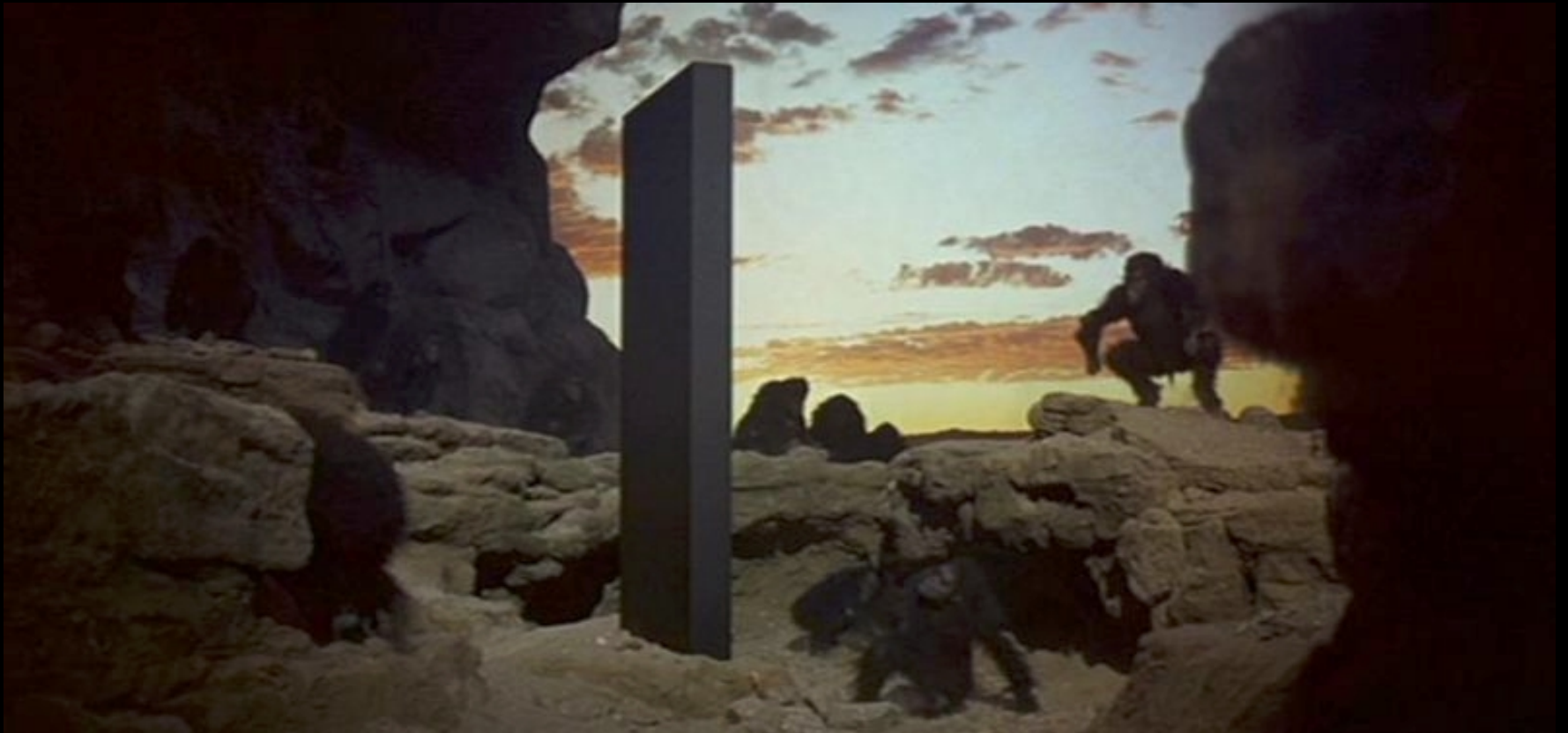
The Holographic Perspective

- All living things are systematically interconnected
- Definition of “living things” extends to systems, processes, entities which behave biologically



Think Different – Think *Holographic*

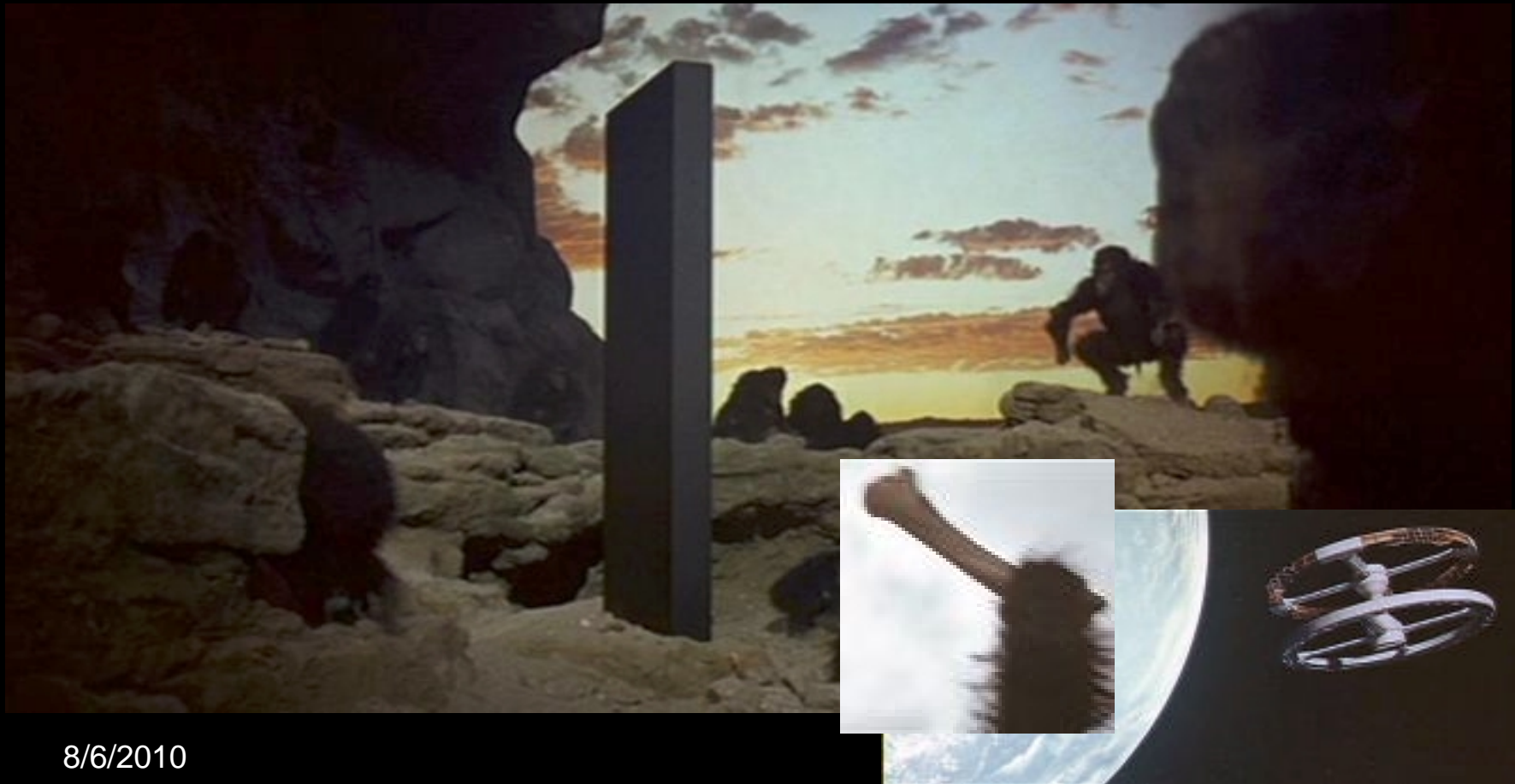
The Evolutionary Evenstream . . .



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Think Different – Think *Holographic*

The Evolutionary Evenstream . . .

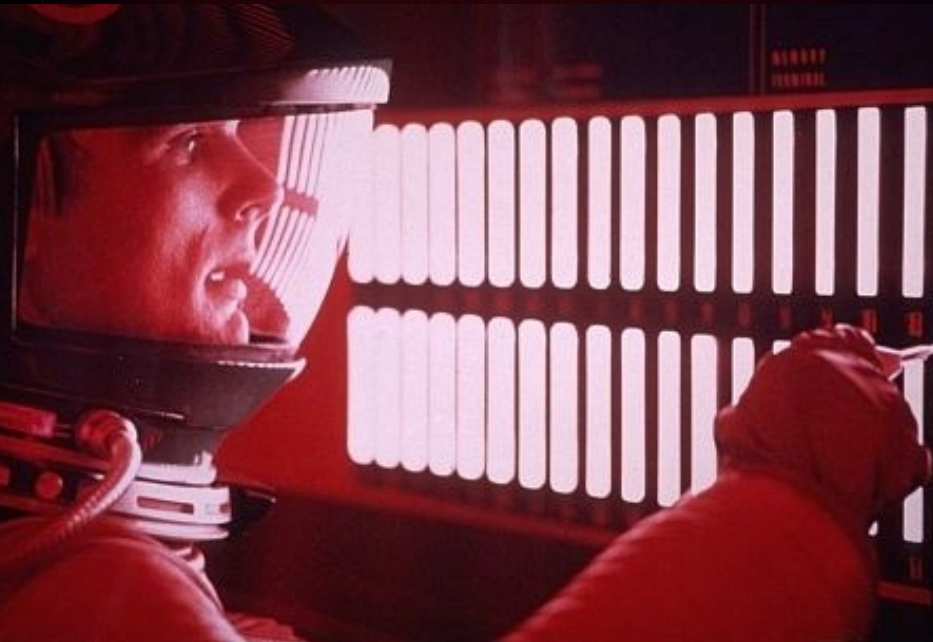


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Think Different – Think *Holographic*

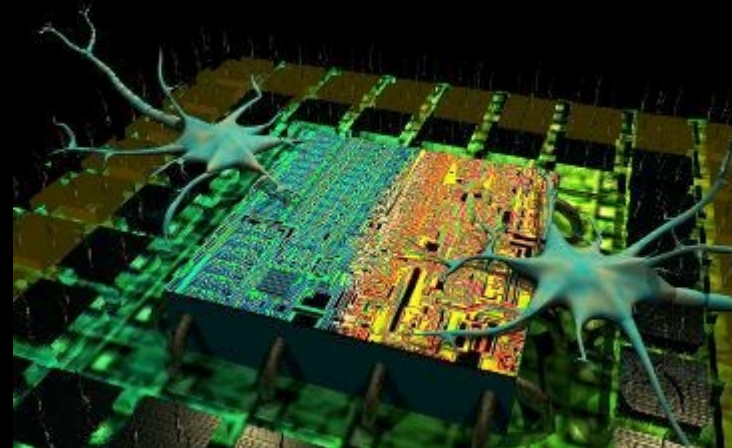
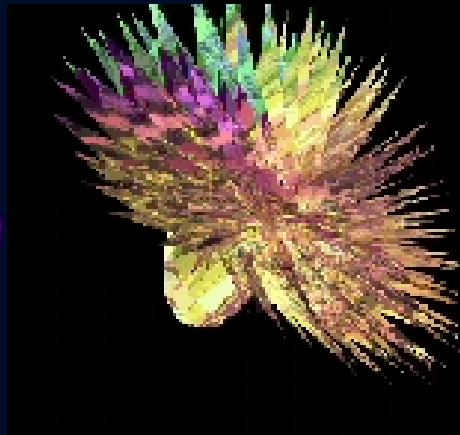
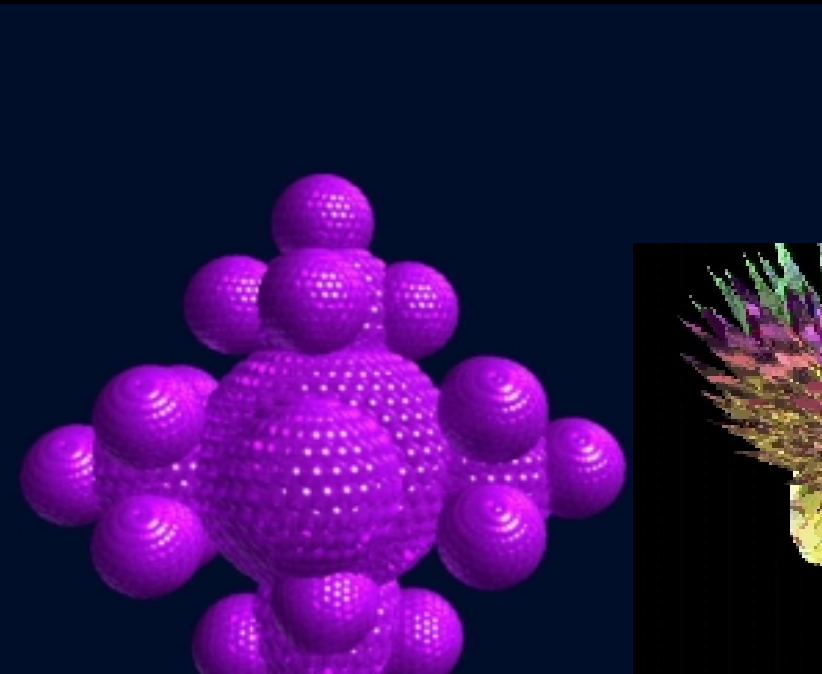
The Evolutionary Evenstream . . .

**LIFE FUNCTIONS
TERMINATED**



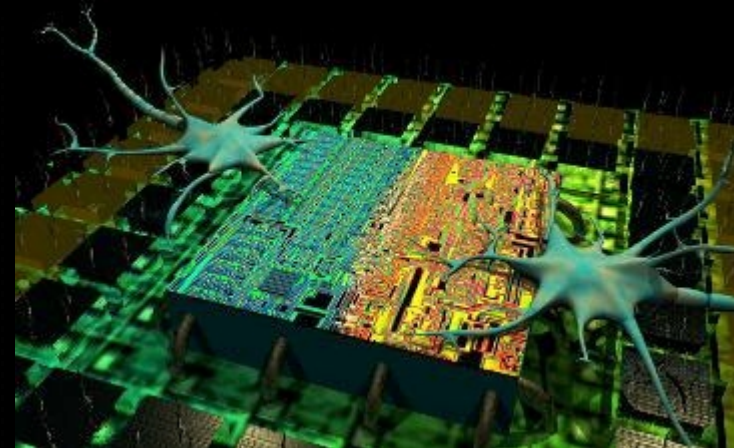
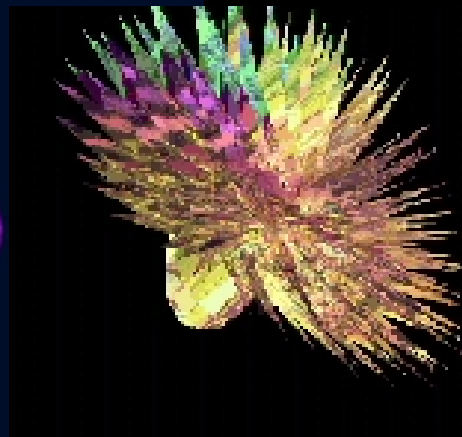
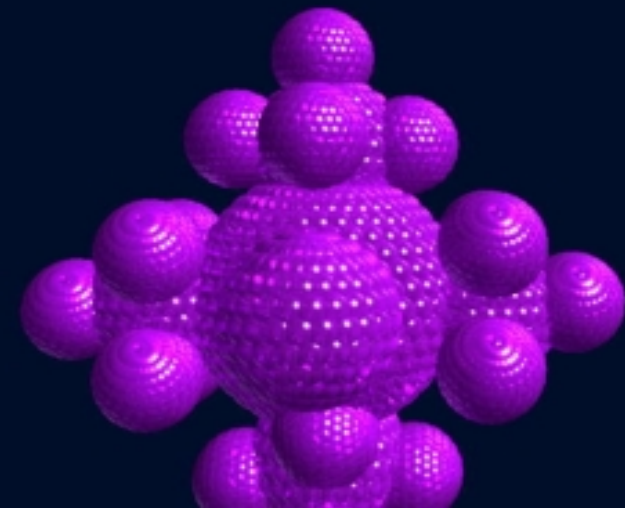
Cultural Imperatives of the Evolutionary Eventstream - Emergent

- Knowledge complexity, scale, and velocity is exceeding human capacity for mission critical decision rendering compressed into ever shortening time scales.



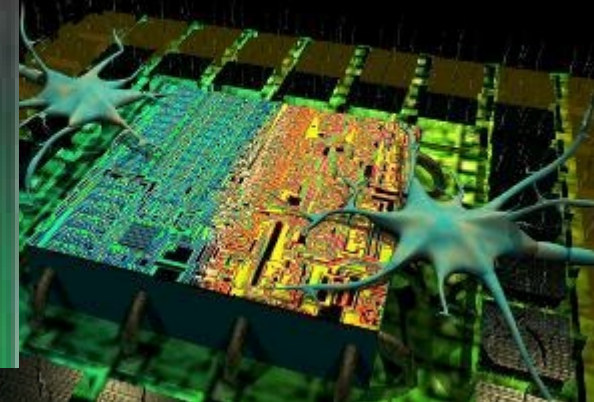
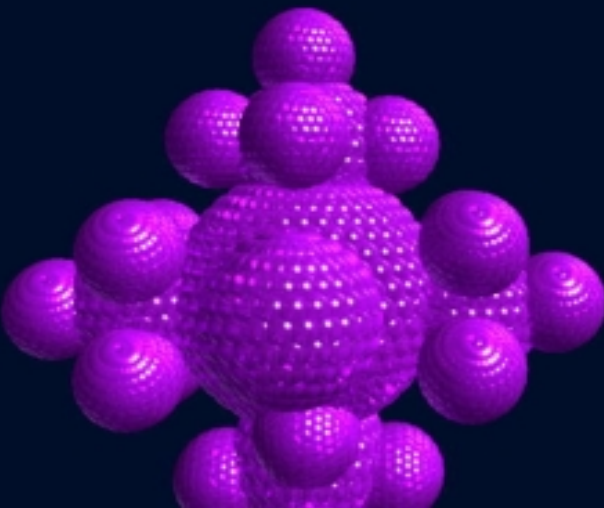
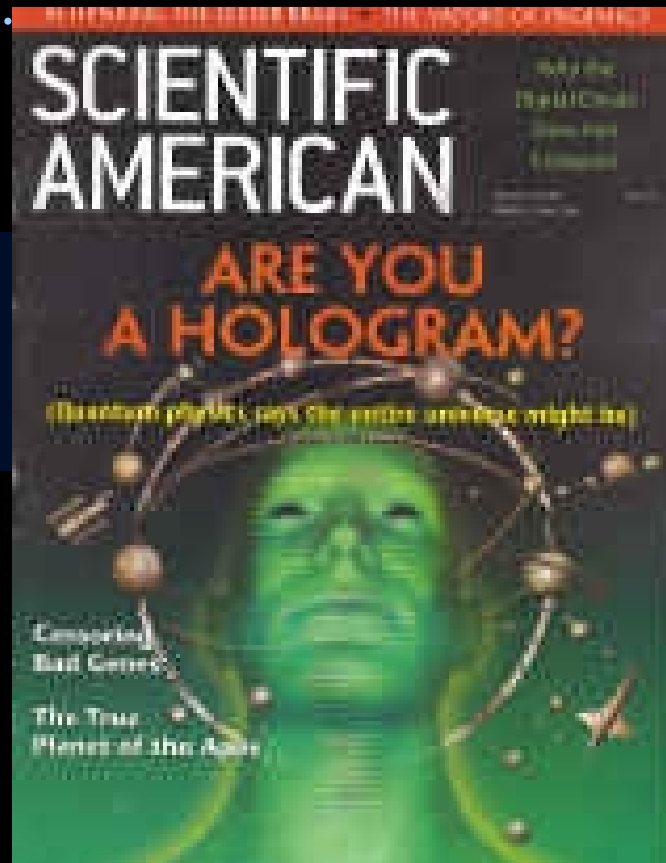
Cultural Imperatives of the Evolutionary Eventstream - Emergent

- Knowledge complexity, scale, and velocity is exceeding human capacity for mission critical decision rendering compressed into ever shortening time scales.
- Define Life, Consciousness, Existence . . .

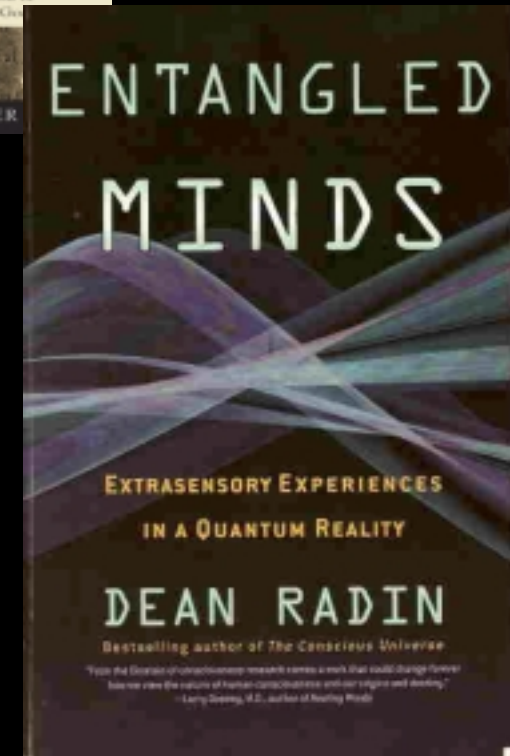
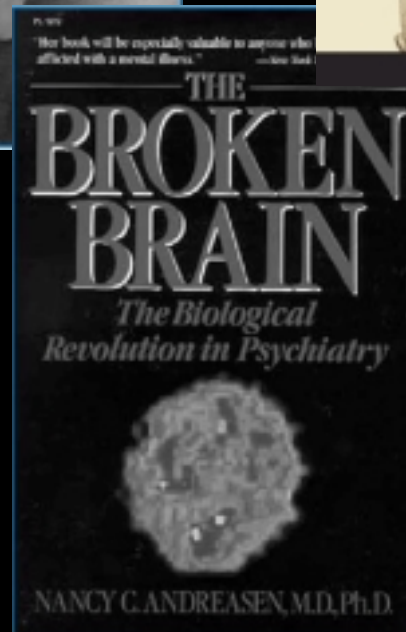
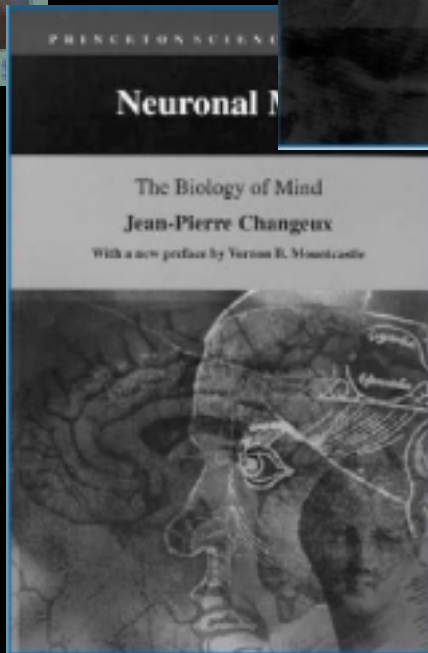
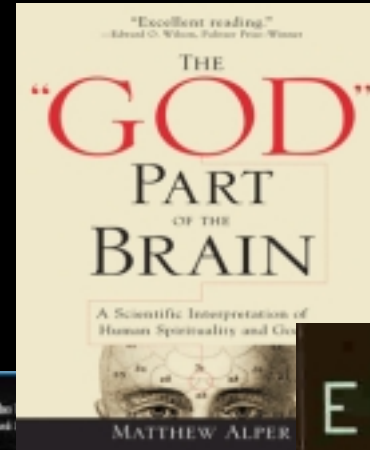


Cultural Imperatives of the Evolutionary Eventstream - Emergent

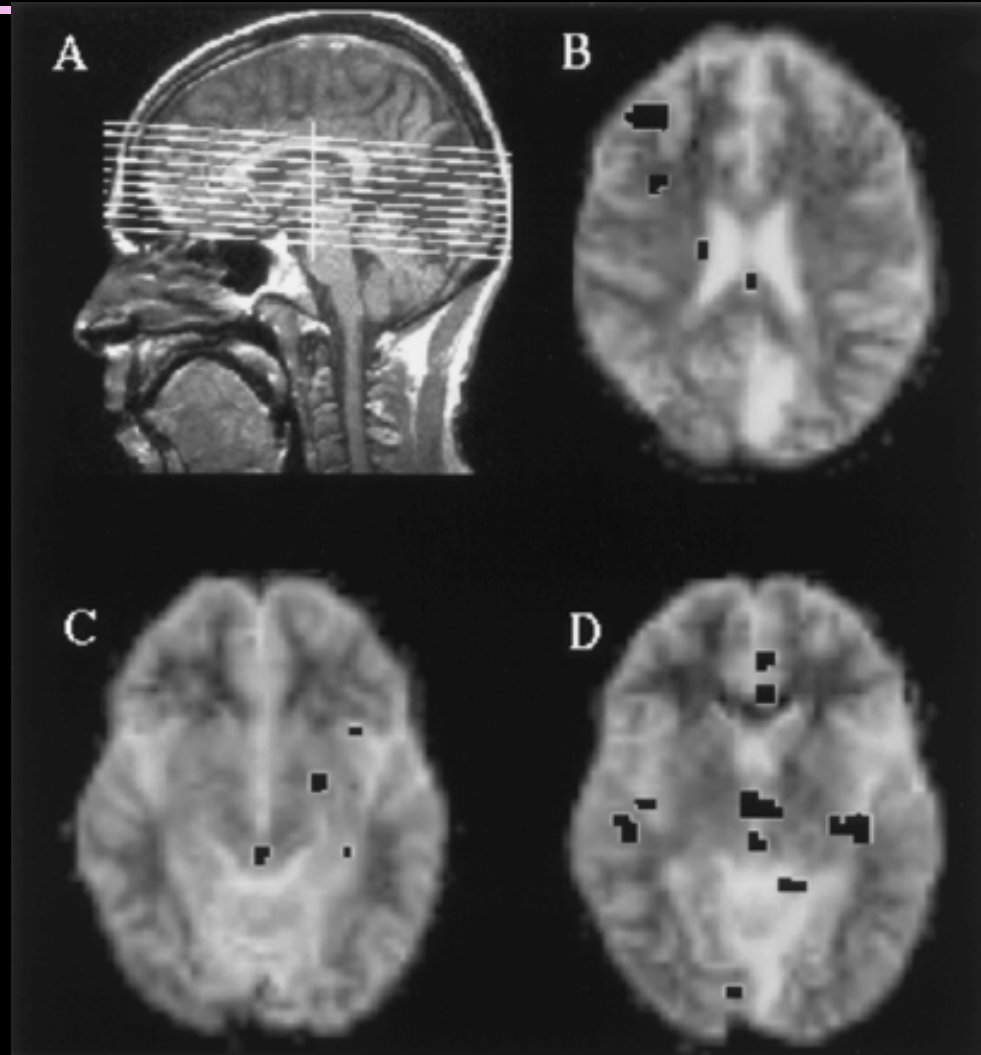
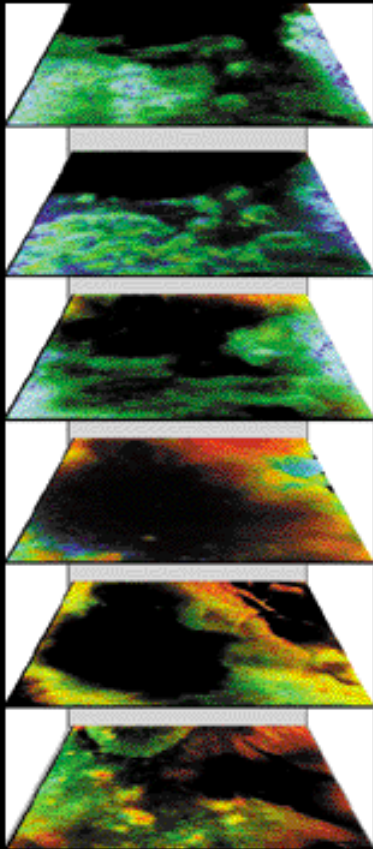
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Biophysics Quantum Physics Consciousness . . . Existence



Mapping the Brain . . .



8/6/2010

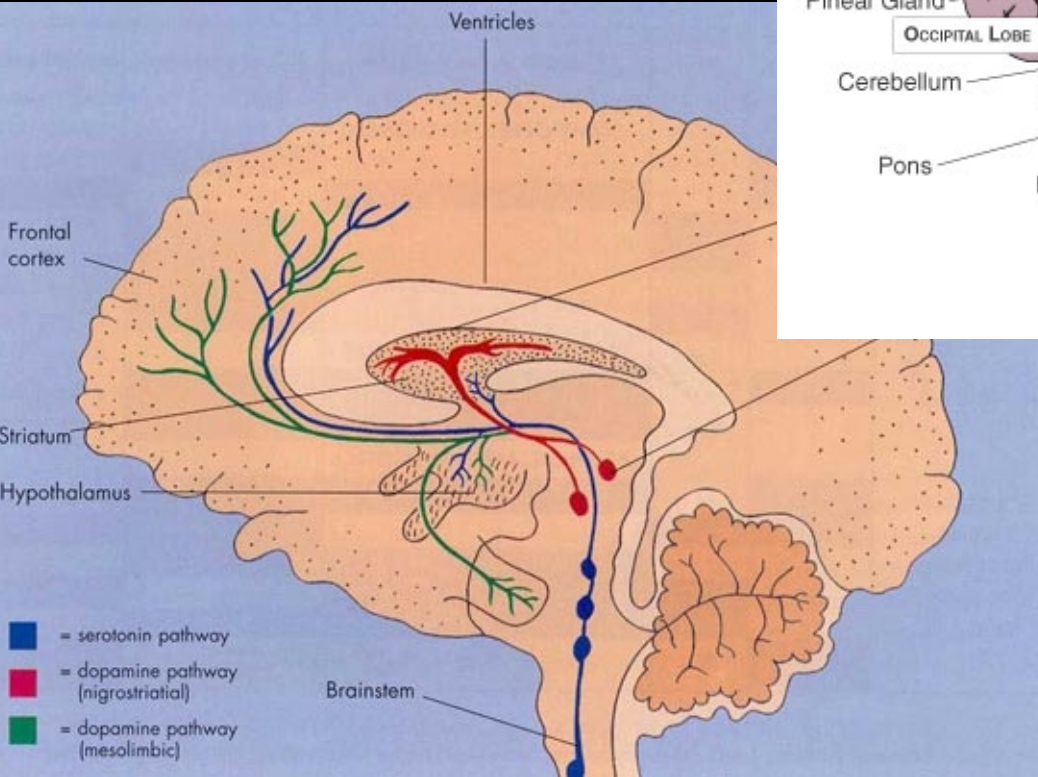
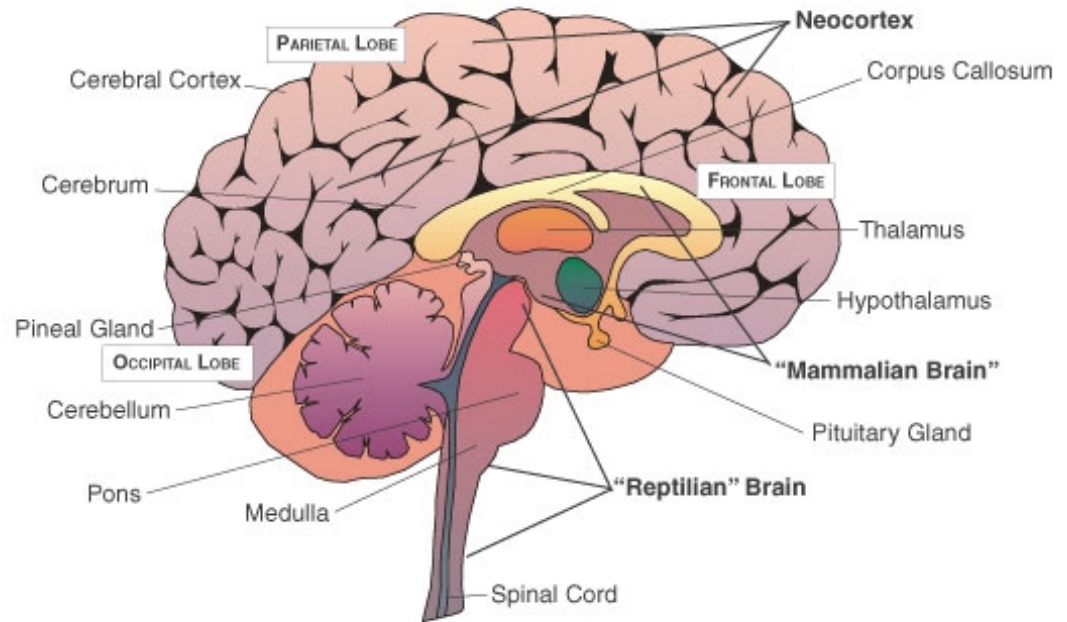
Mapping the Brain . . .



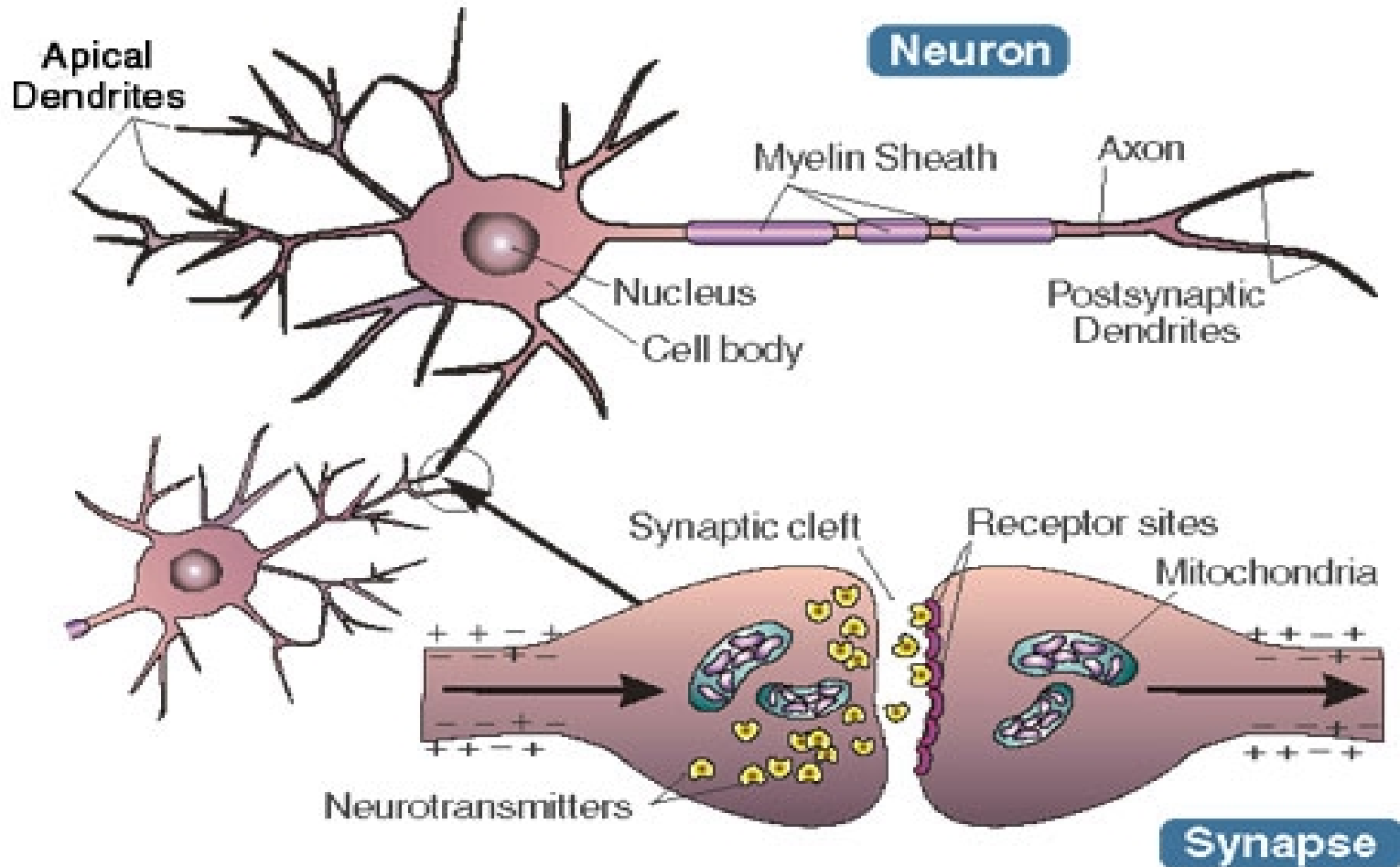
Pro Science CATEEM U 17.3
Color Vision from 28% to 37%



Brain Mapped as a Biophysical System

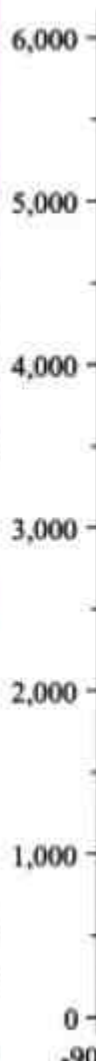


Electro-chemical signal process engine





Population
(in millions)



Stem Cell Research
Approved in U.S.

Dolly, the Cloned Sheep

B. Genome Project

PCs

Man on Moon

Nuclear Energy

High-Speed Computers

Disc. DNA

War on Malaria

Penicillin

I. Airplane

I. Automobile

Disc. New World,
Black Death
Peak of Rome
Peak of Greece



I. Telephone
Electrification

B. 1st Ag. Rev.
B. Pottery

Germ Theory

B. Railroads

I. Watt Engine

B. Indust. Rev.

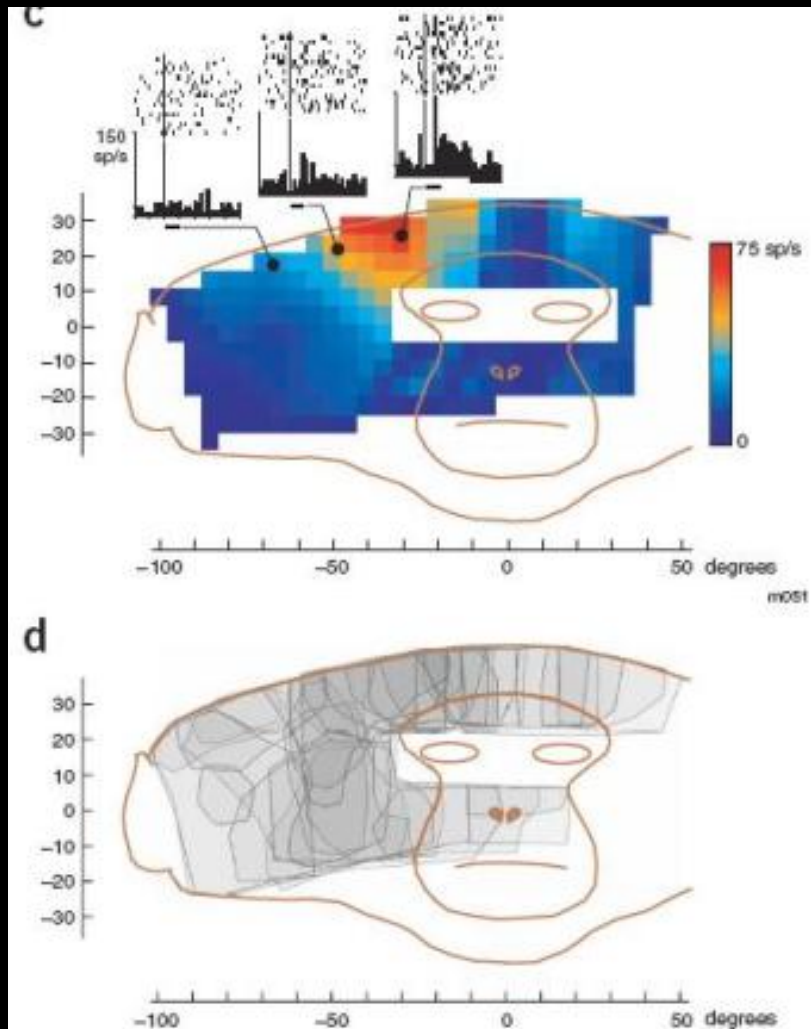
B. 2nd Ag. Rev.

I. Plow
1st Irrigation Works
1st Cities
B. Metallurgy
B. Writing
B. Math

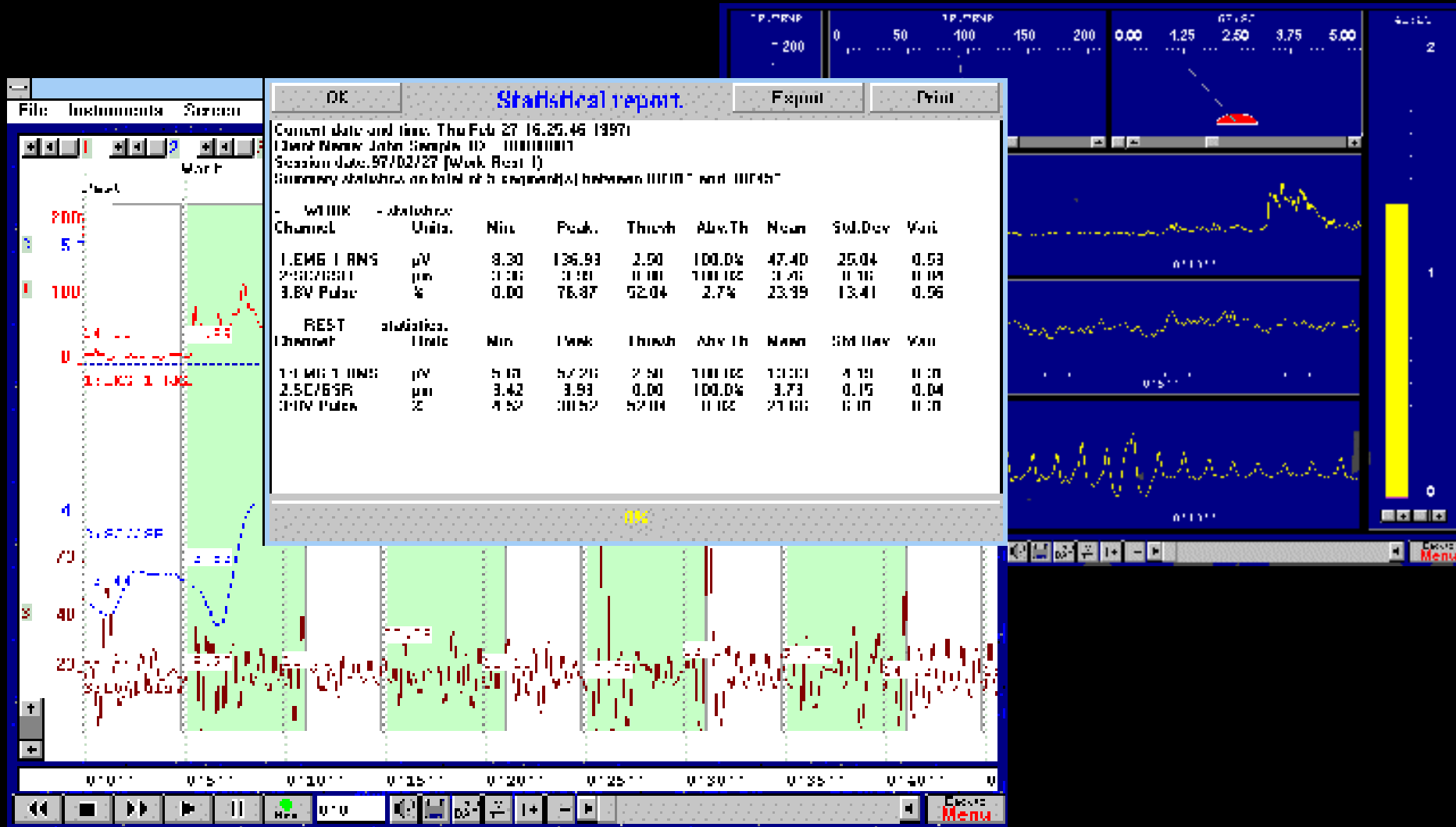


Robert Fogel - *The Escape from Hunger and Premature Death, 1700-2100*

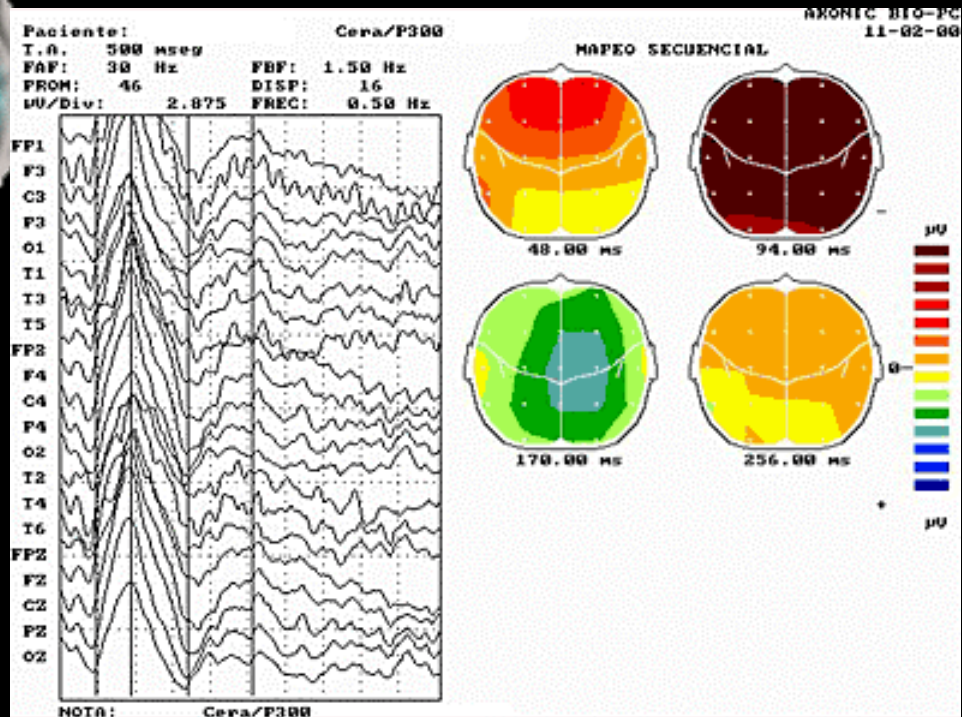
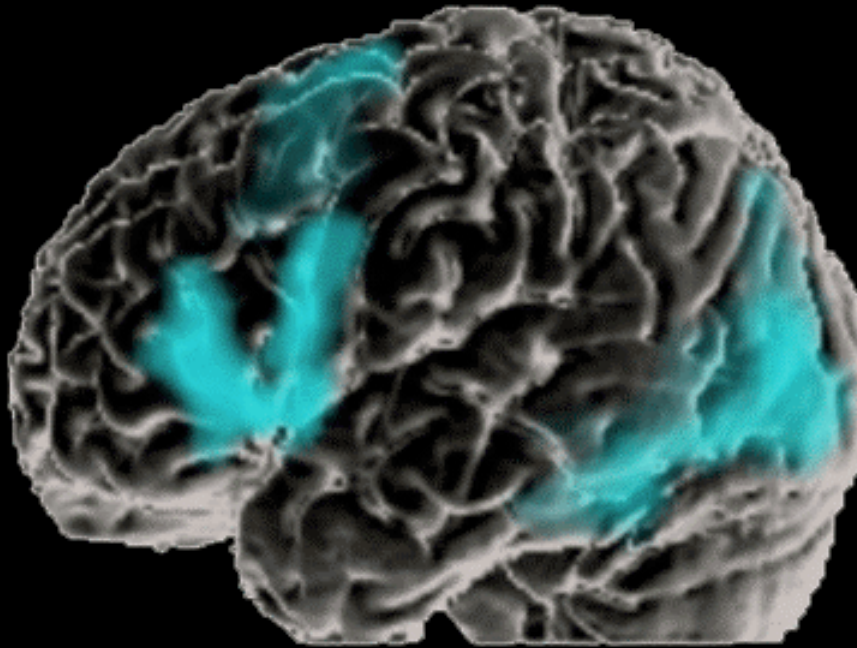
From electro-chemical signal process engine > Neuro Aesthetic Cognition



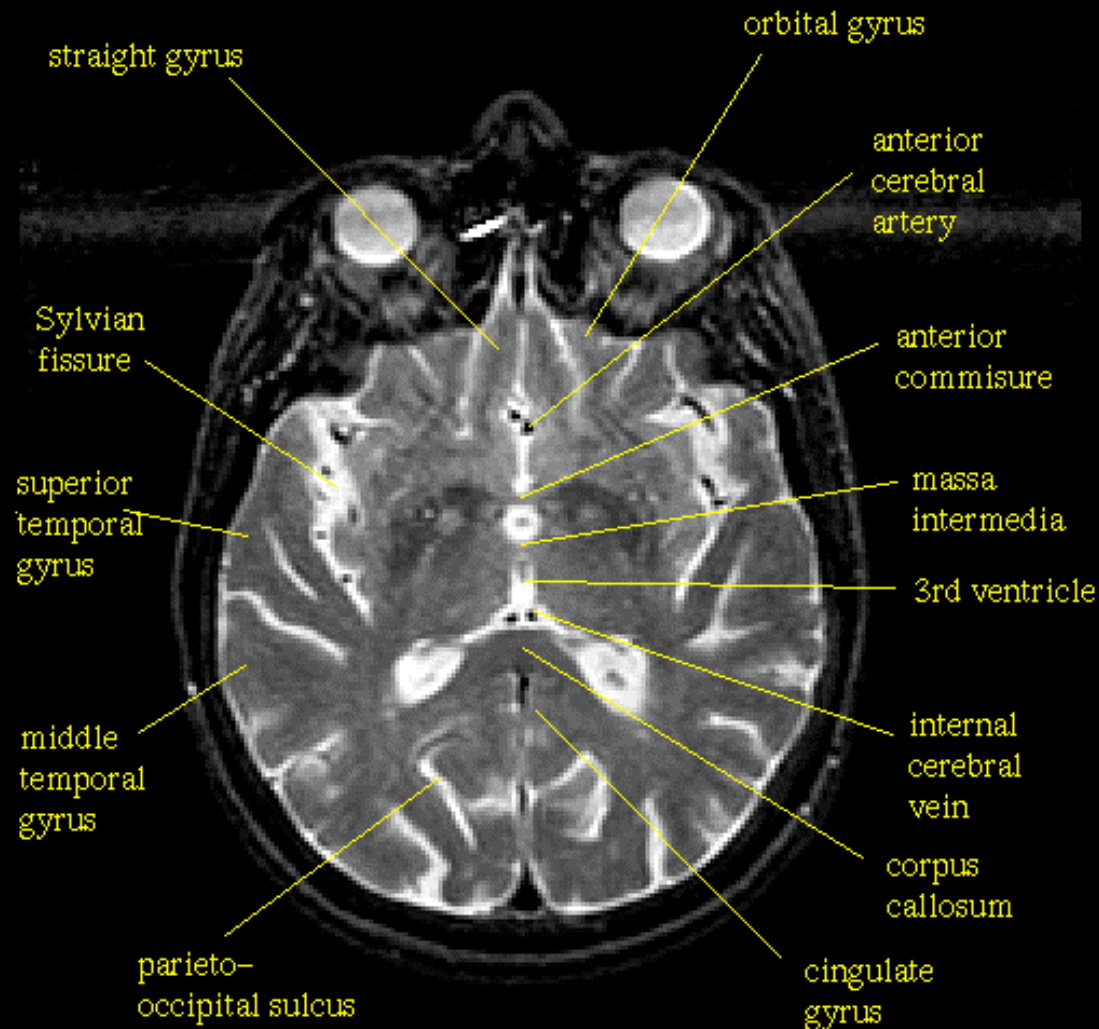
Mapping Neurological Functions



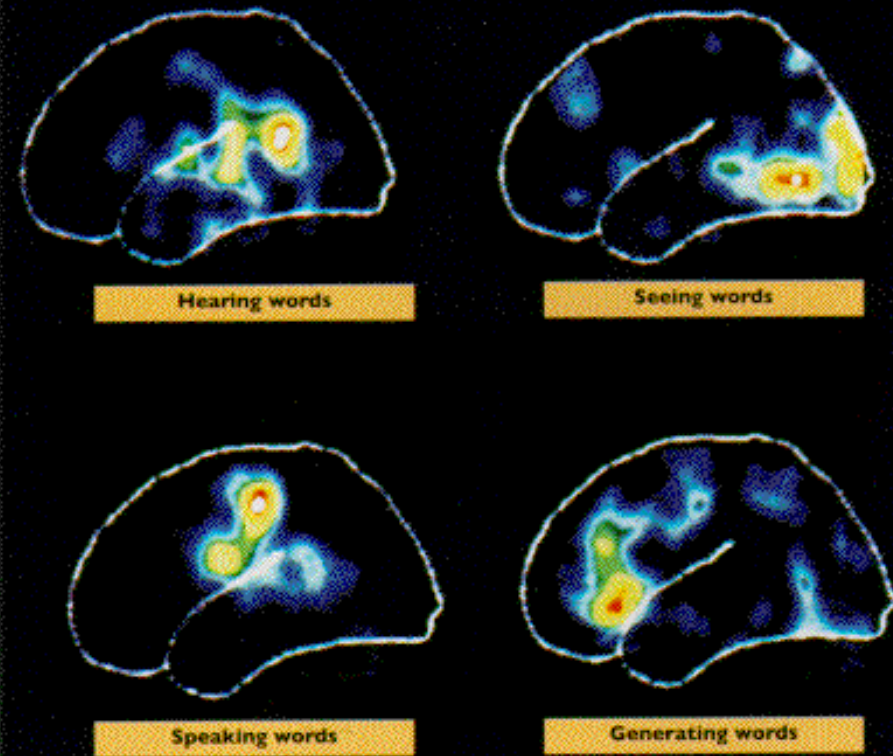
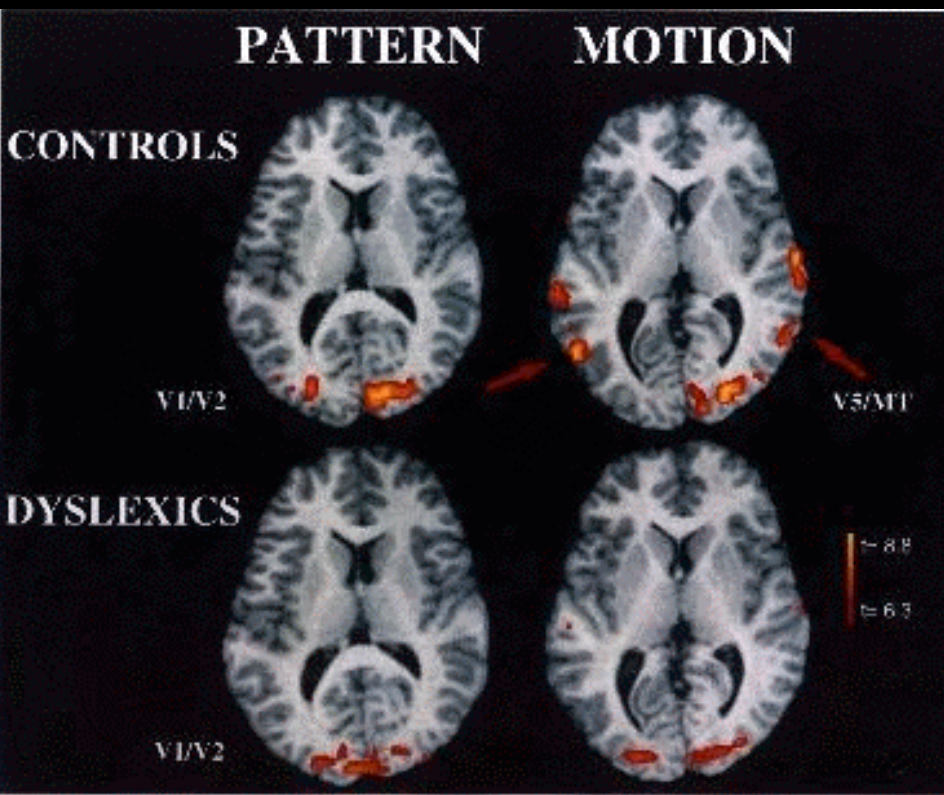
Correlating to Cognition



Left / Right Process Domains



Creativity, Emotion . . . Neuro Aesthetics

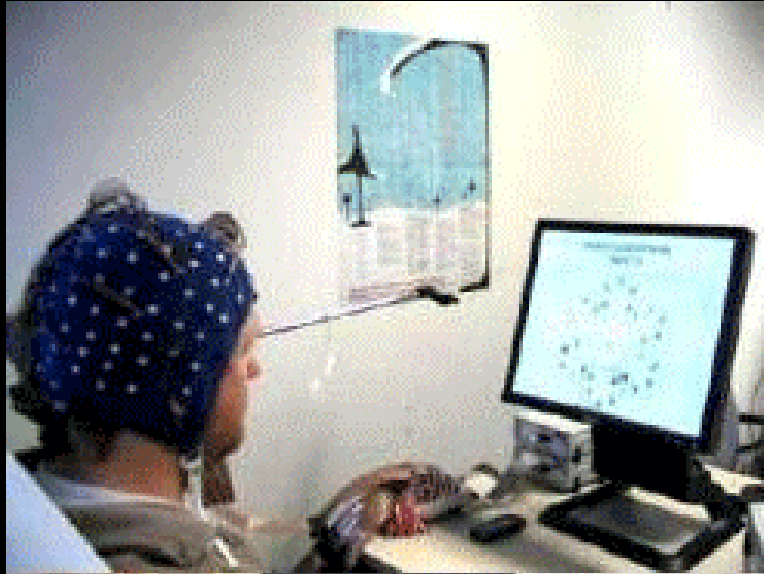


From Clinical Analysis to User Friendly Interface



8/6/2010

Consciousness on Demand - the Next Emergent Process Deliverable

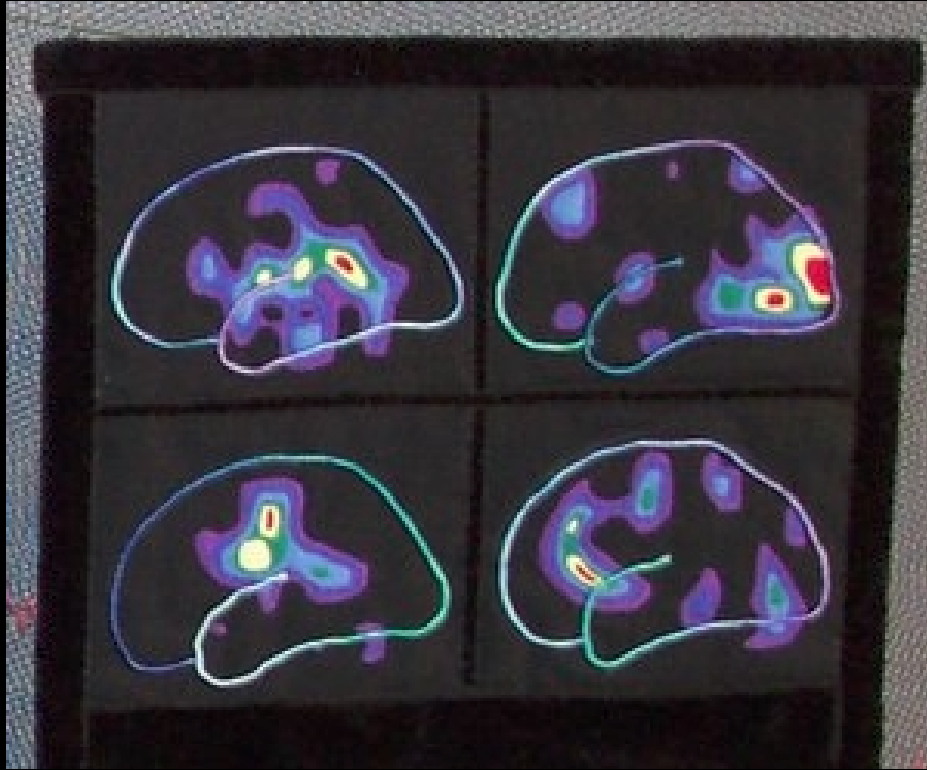


From Clinical Analysis to User Friendly Interface



NeuroSky

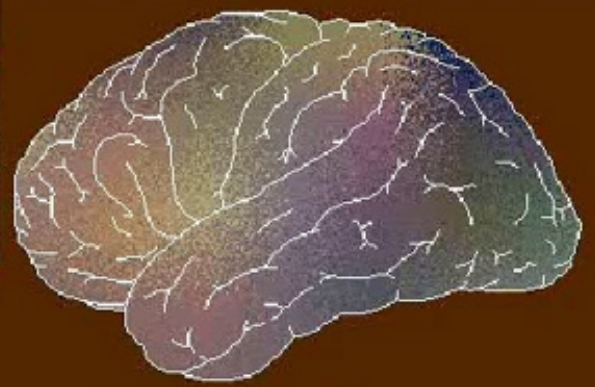
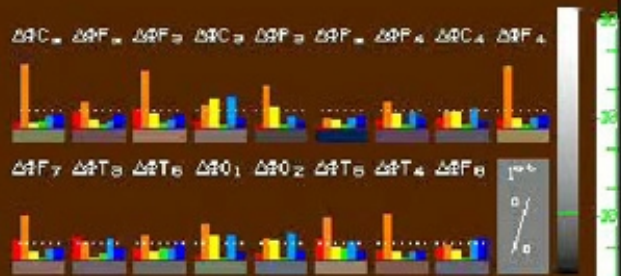
Mind Machine Interface



NeuroSky
POWERED BY YOUR MIND

From pathology – to Enhancement

Pro Science CATEEM U 17.3
Color Vision from 20% to 370%



From Complex Multi-Sensor Array to Commercial Interface

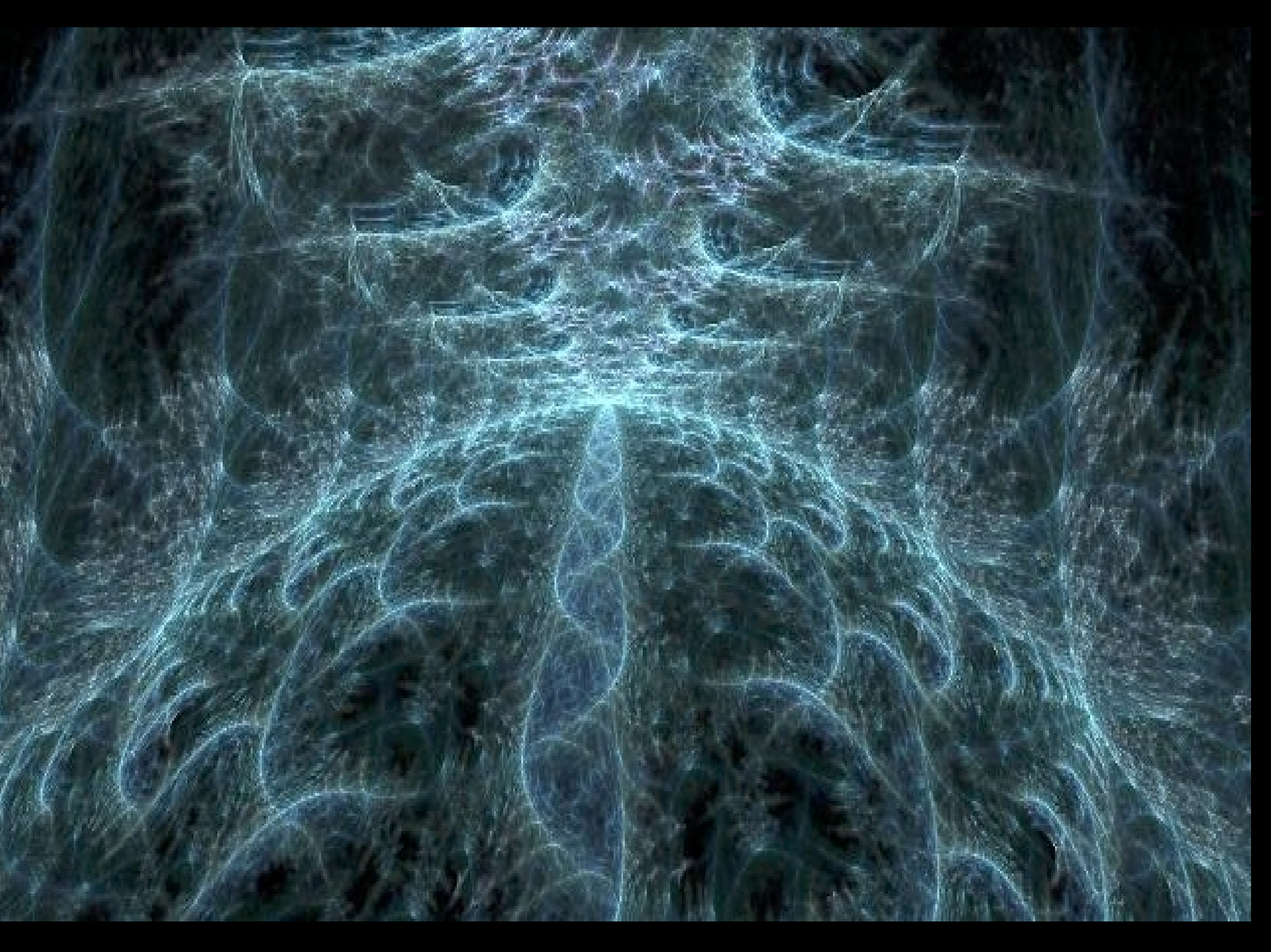


“BrainPaint” EEG to Fractal Image Morphology Engine









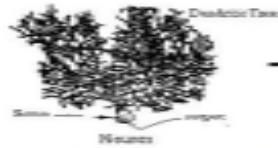




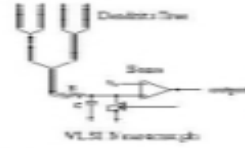
Designed Evolution

Nano Bio Info Cognito

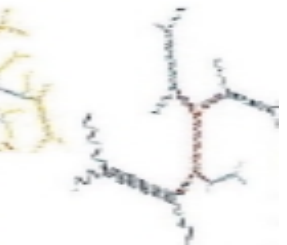
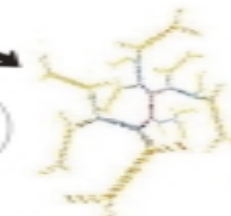
Example Implementation Cycle



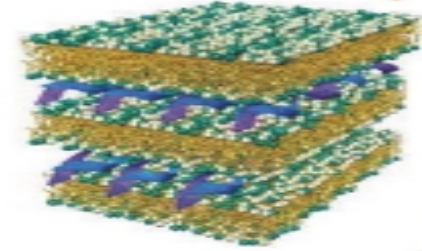
Natural Neural Network Modeling



Co-Evolved Hybrid Human Organism / Intelligence



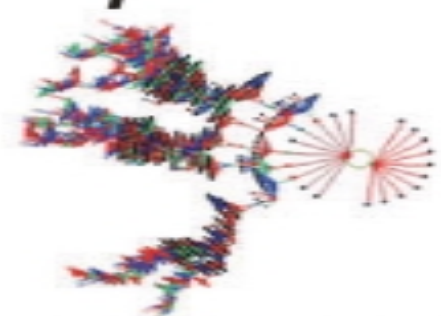
Hybridized Synthetic DNA



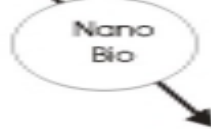
Complex Proteomic / DNA Computing Systems



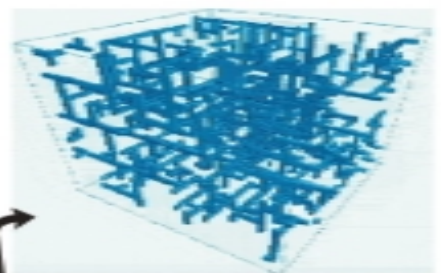
Structural Proteomics DNA "circuits" & devices



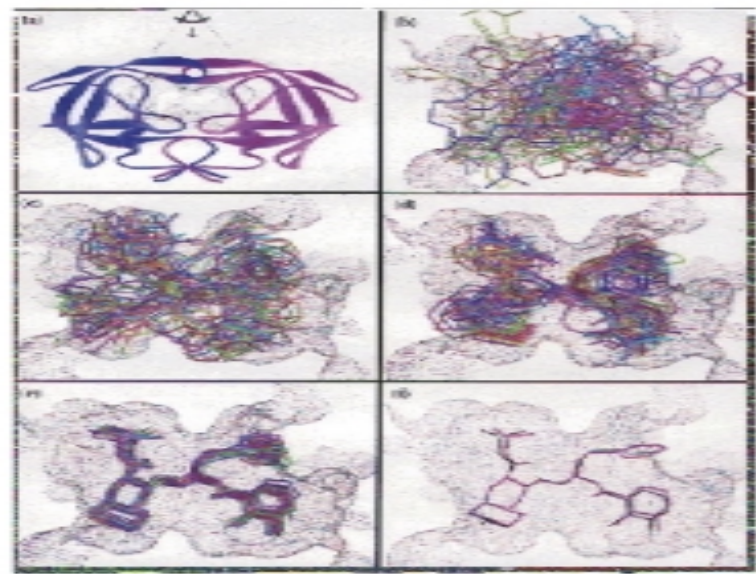
Metascale Genomic Modelling / Engineering



Nanobiological Neural Network Systems



Complex Self Evolving Neural Network Modeling



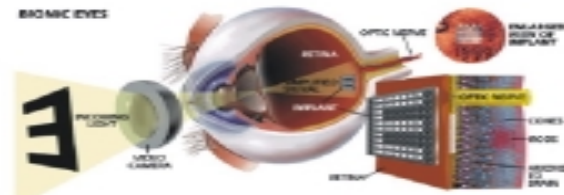
Evolutionary Proteomic Modeling / Synthesis



Co-Evolution with Emergent Intelligences
 Genetic / Biophysical Enhancement
 Accelerated Environmental Adaptation
 Extended Longevity & Functionality

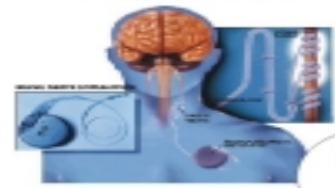


Biocompatible Molecular Surfaces / Interface



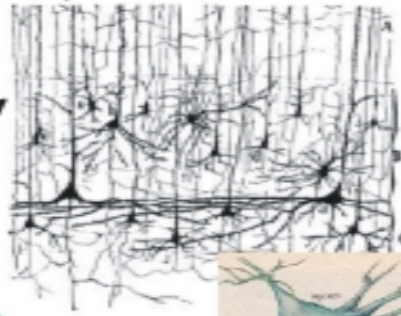
Complex Integrated Biodevice / Functional Restoration

Nano Bio

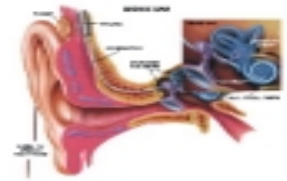


Biodevice / Implant System Interface

Nano Info Bio



Neural Mapping



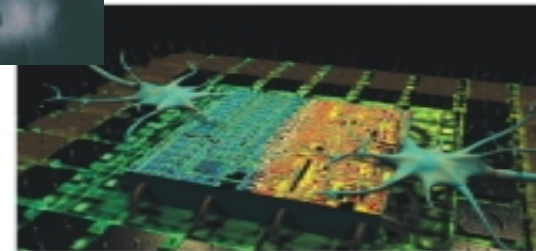
Nano Cogno Bio



Cellular / Neural Repair



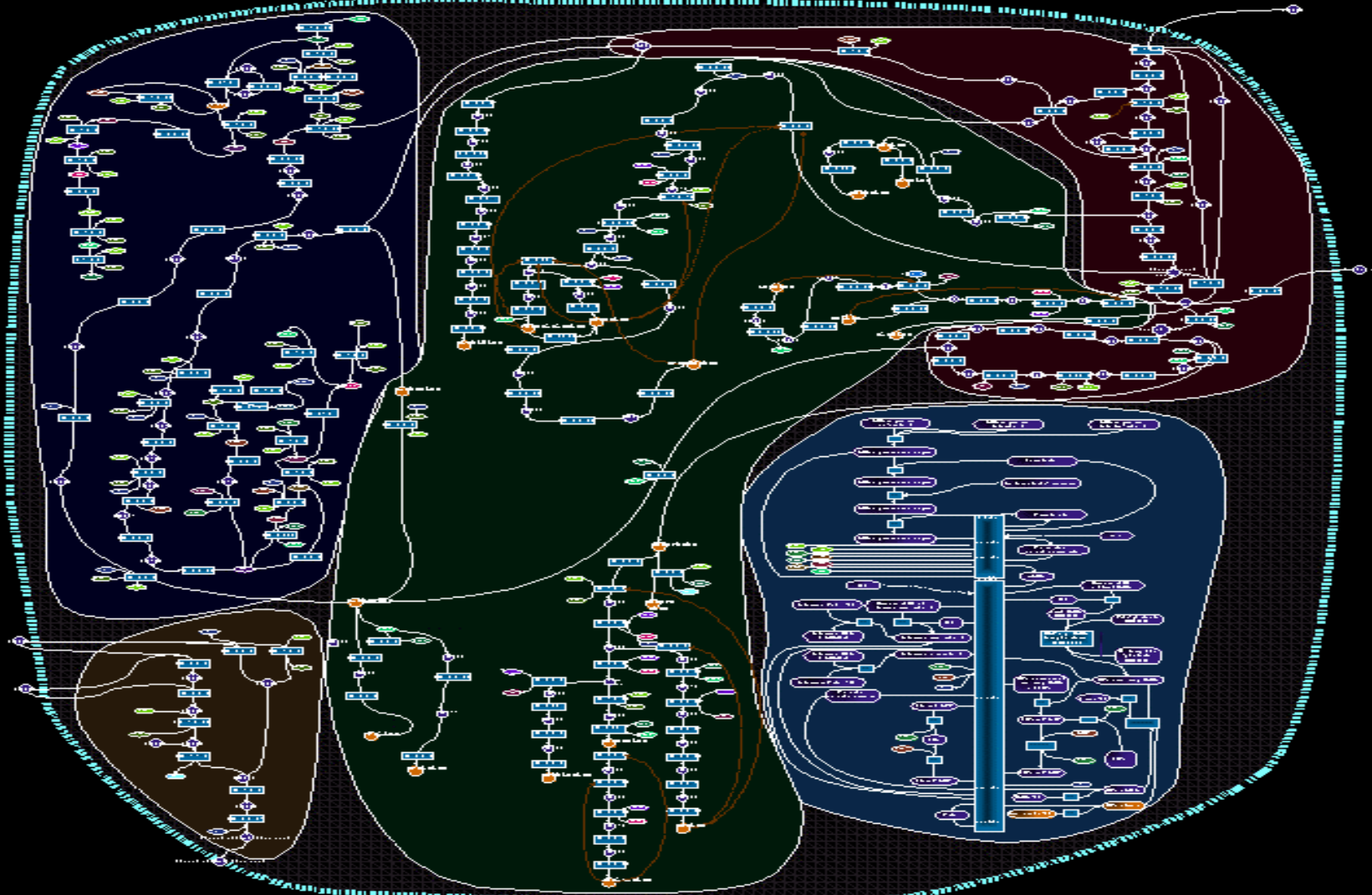
Cogno Nano Bio



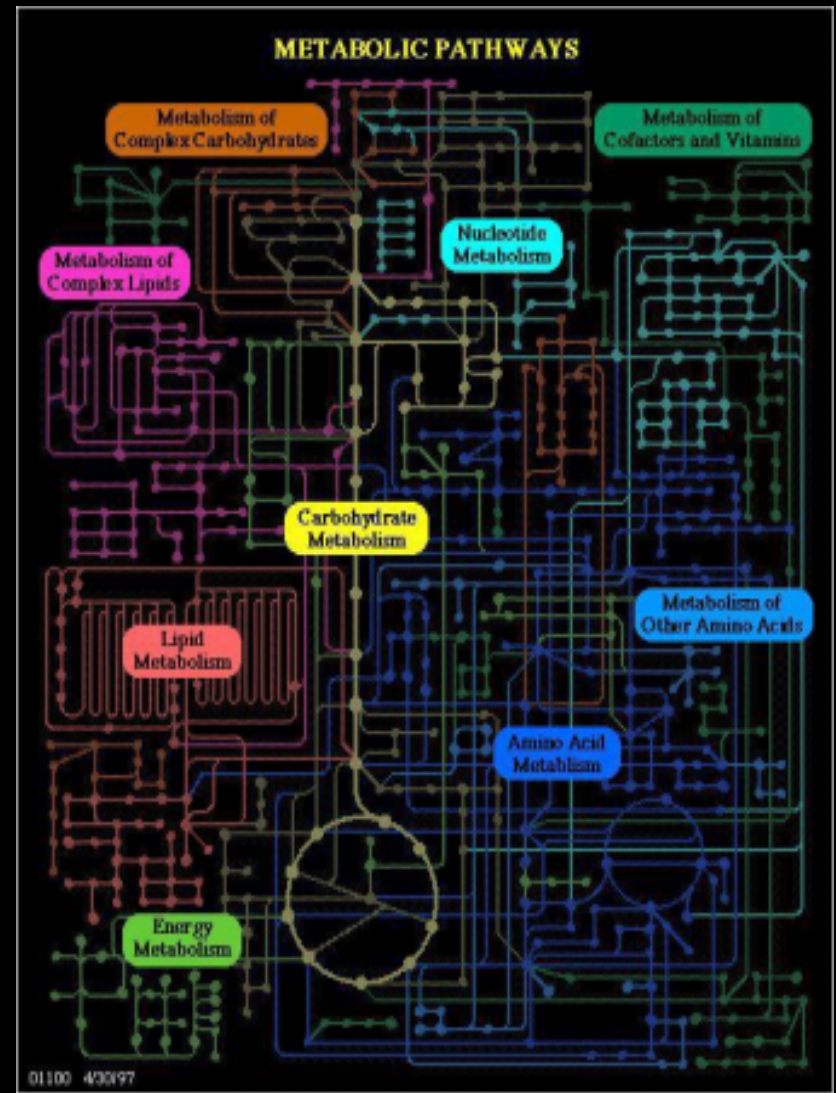
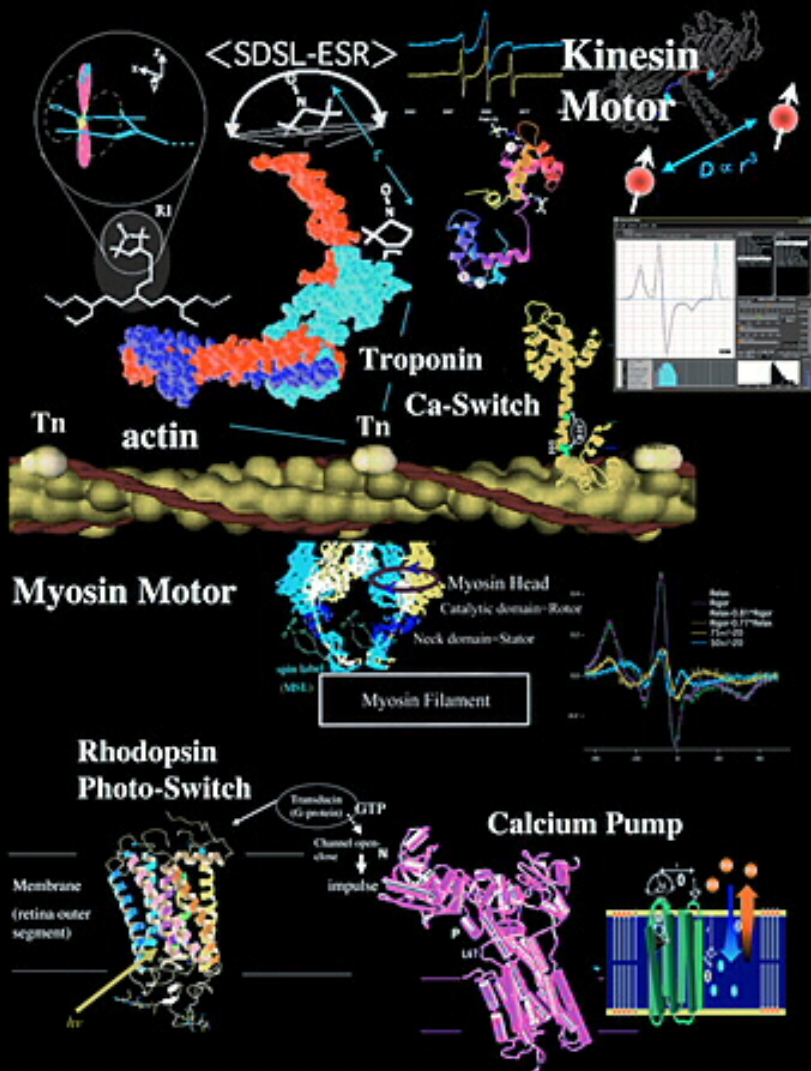
Cellular / Neural Interface

Extended Sensory Capacity
 Intellectual / Cognitive Capacity
 Strength, Endurance Attributes
 Extended Longevity

In-Silico Biology – Schematic Engine of Biological Systems

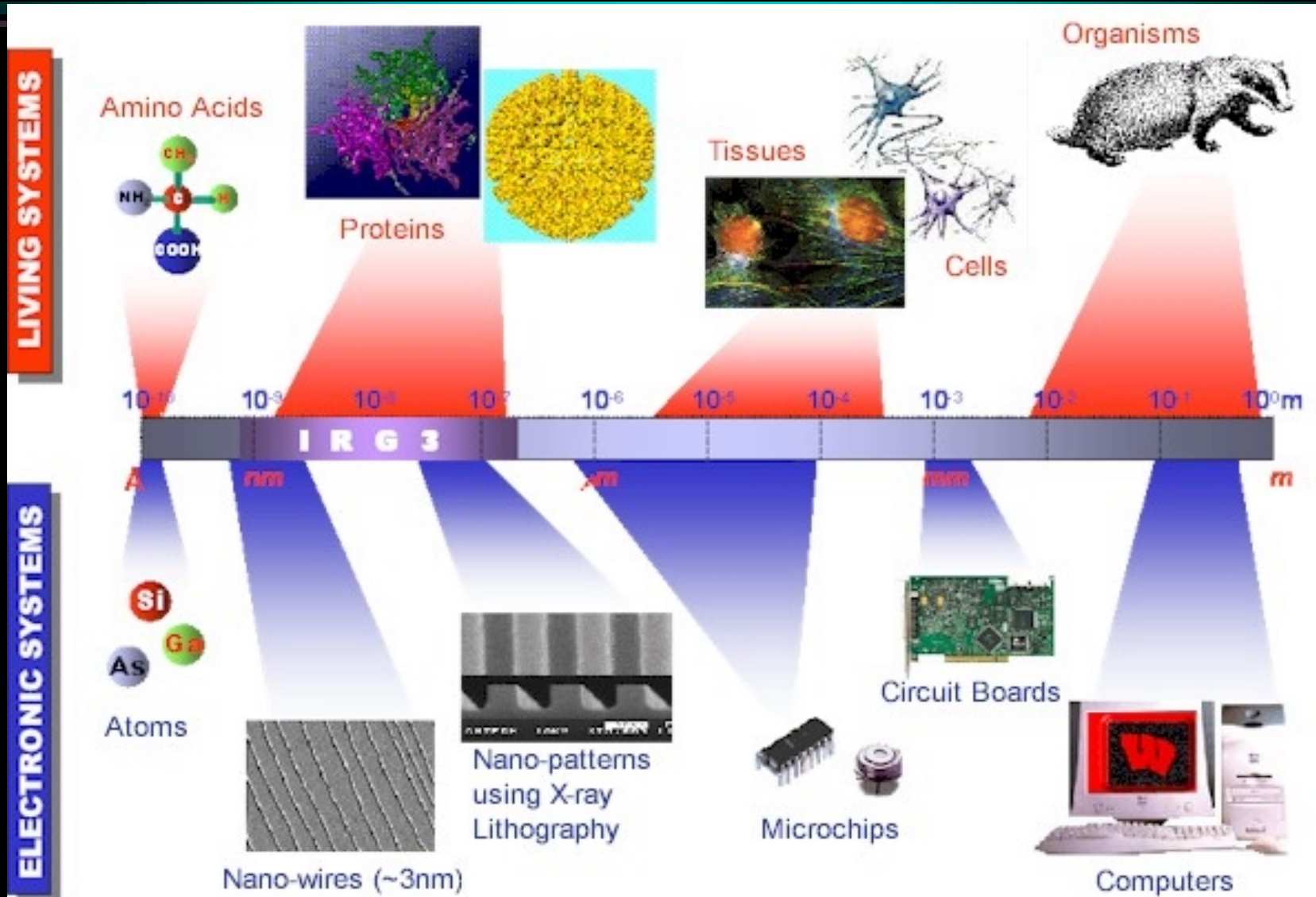


Synthetic Biology Building Blocks > Biological Systems Architectures

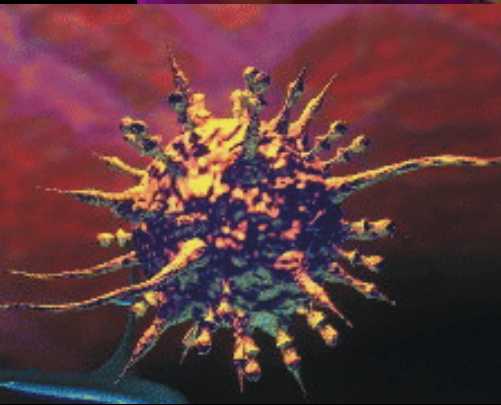
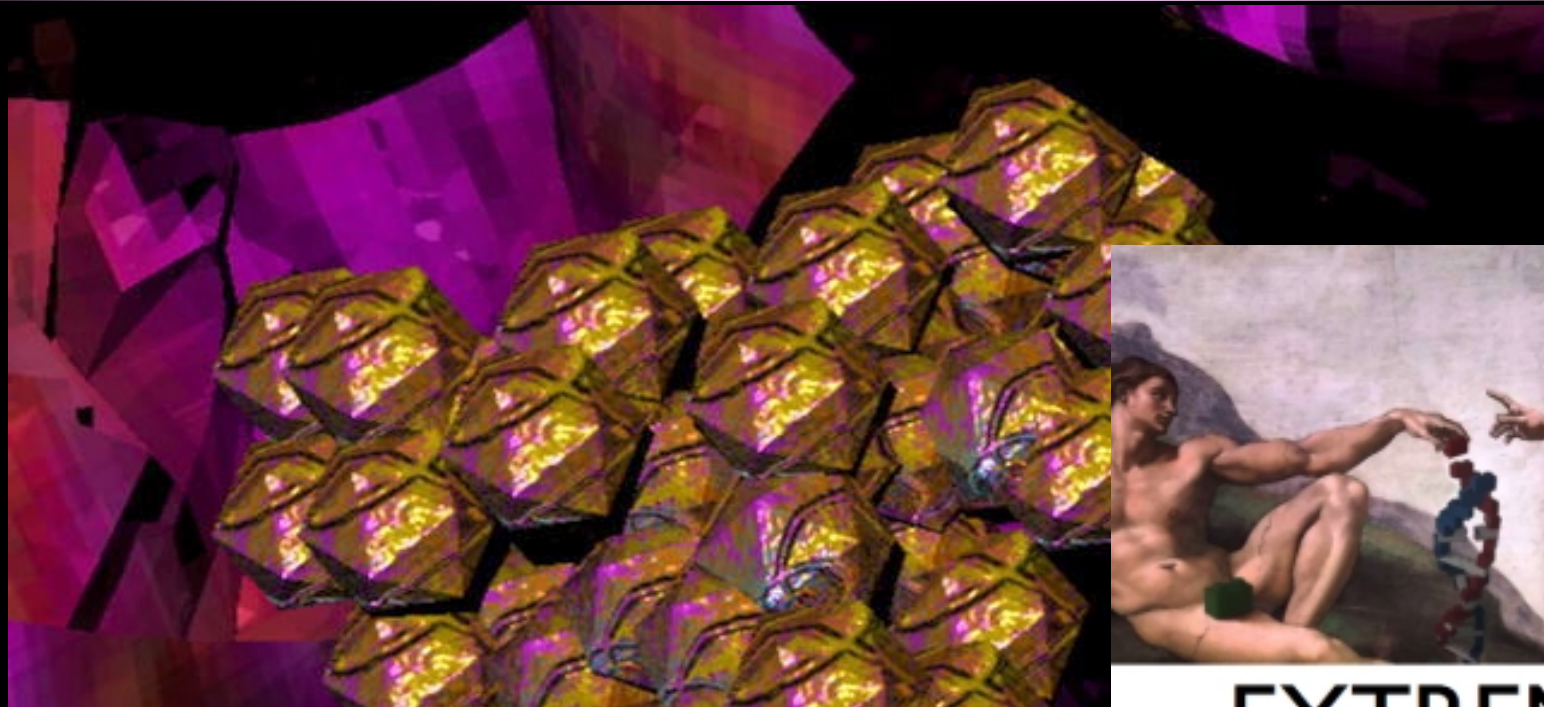


Levels of Scale / Complexity

Existence Enhancement as a Commodity Enterprise



Lifeforms on Demand - the Next Emergent Process Deliverable



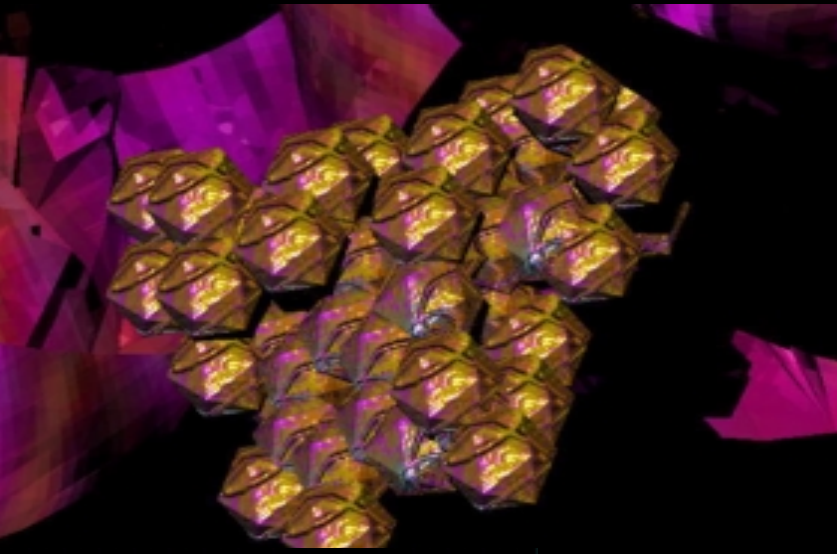
EXTREME GENETIC ENGINEERING

An Introduction to Synthetic Biology

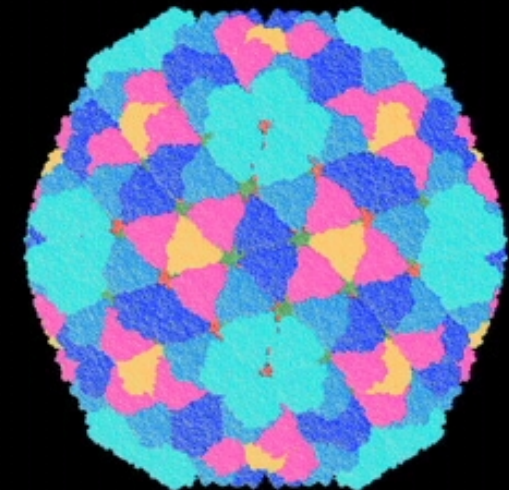
January 2007

etc

Lifeforms on Demand - the Next Emergent Process Deliverable



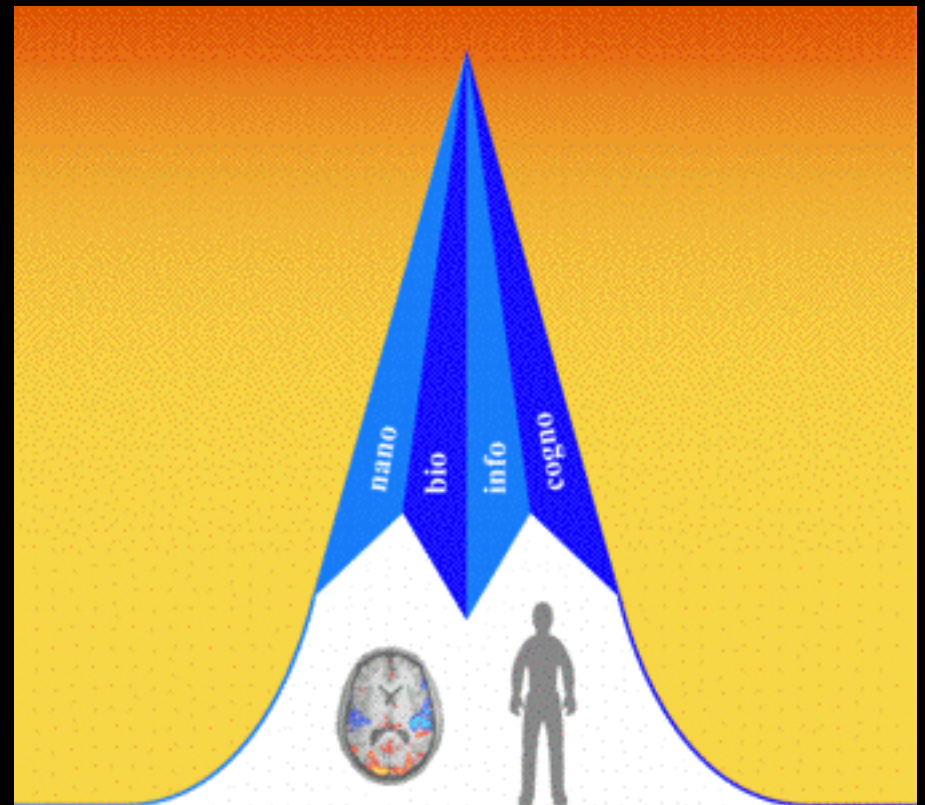
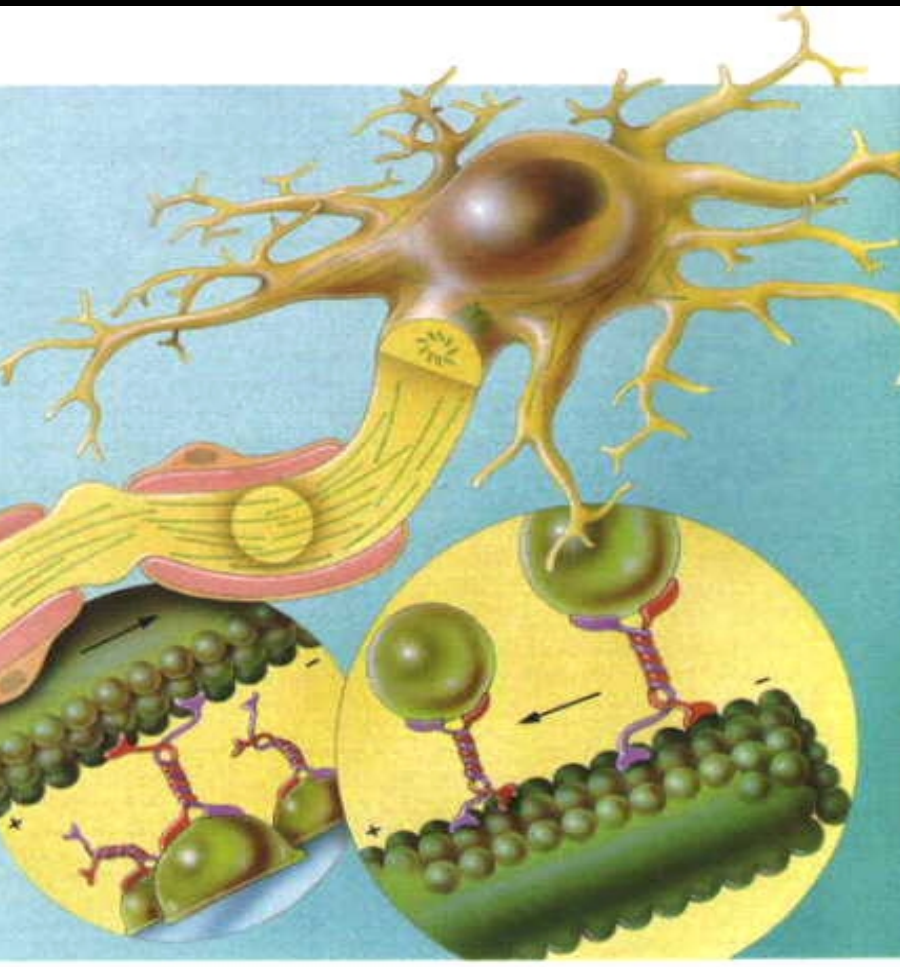
Theoretical model renderings
1992 – 1994 C. Ostman



Current Synthetic Biology
Systems Component Models
2005 – 2006 Osaka, Japan



The Emergent Infotech / Biotech / Nanotech / Cognotech Operational Ecology



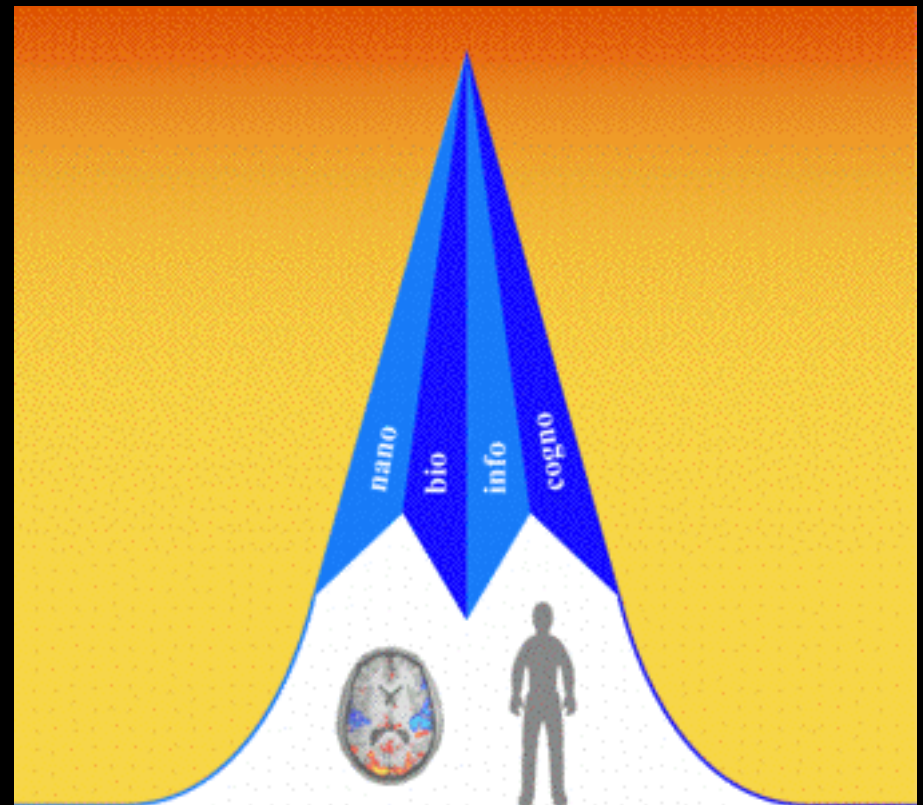
The Emergent Infotech / Biotech / Nanotech / Cognotech Operational Ecology

NBIC Conference

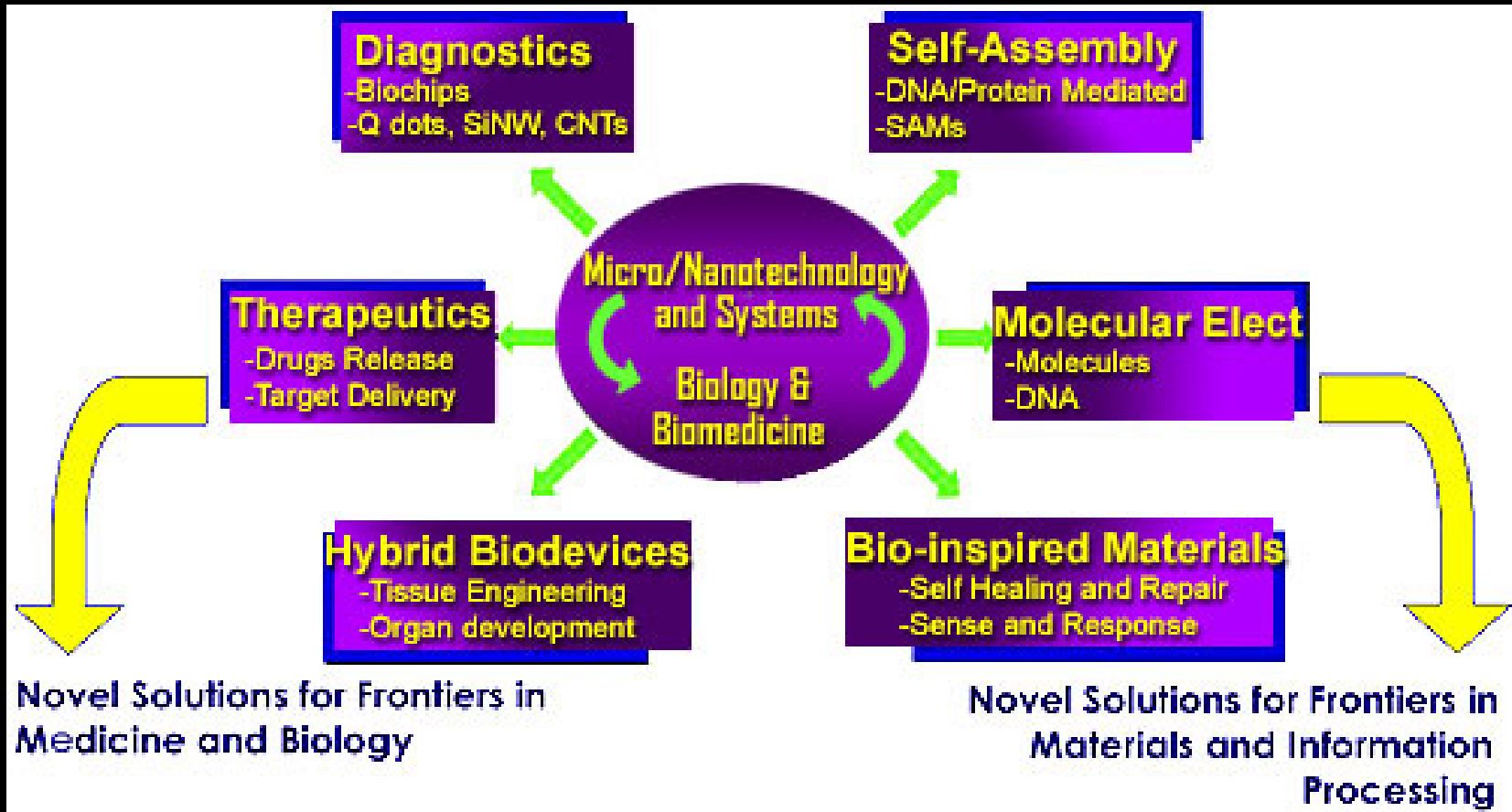
Converging Technologies
for Improving Human
Performance:

Nanotechnology,
Biotechnology, Information
Technology and Cognitive
Science

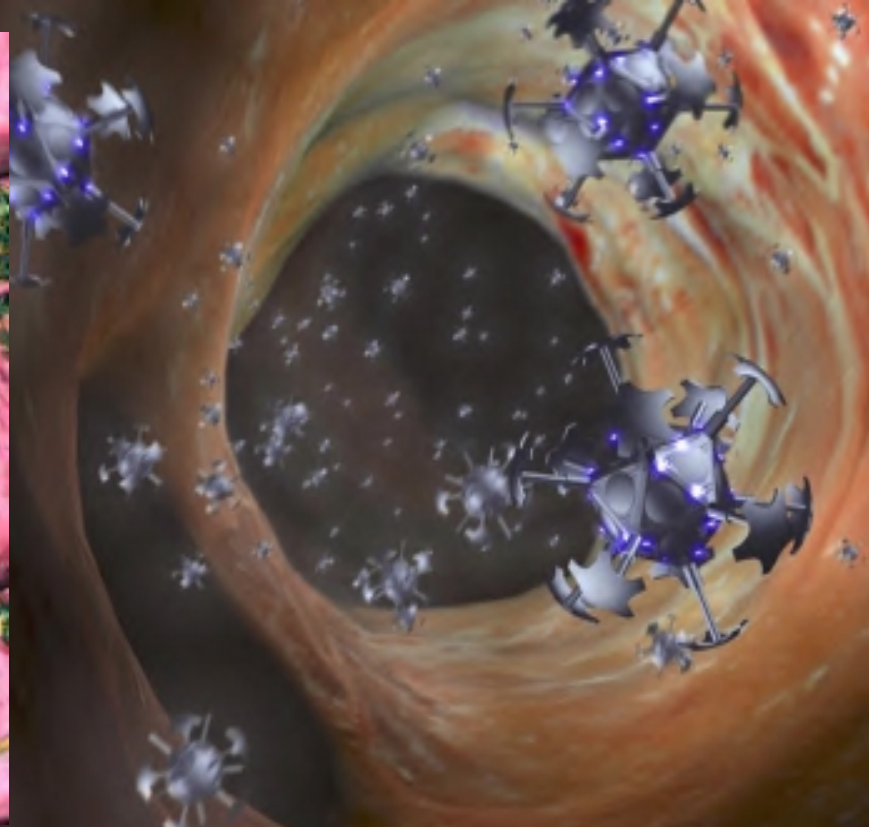
NSF/DOC-sponsored report
<http://www.wtec.org/ConvergingTechnologies>



Existence Enhancement – Nano Bio Info Cogno Tech Convergence

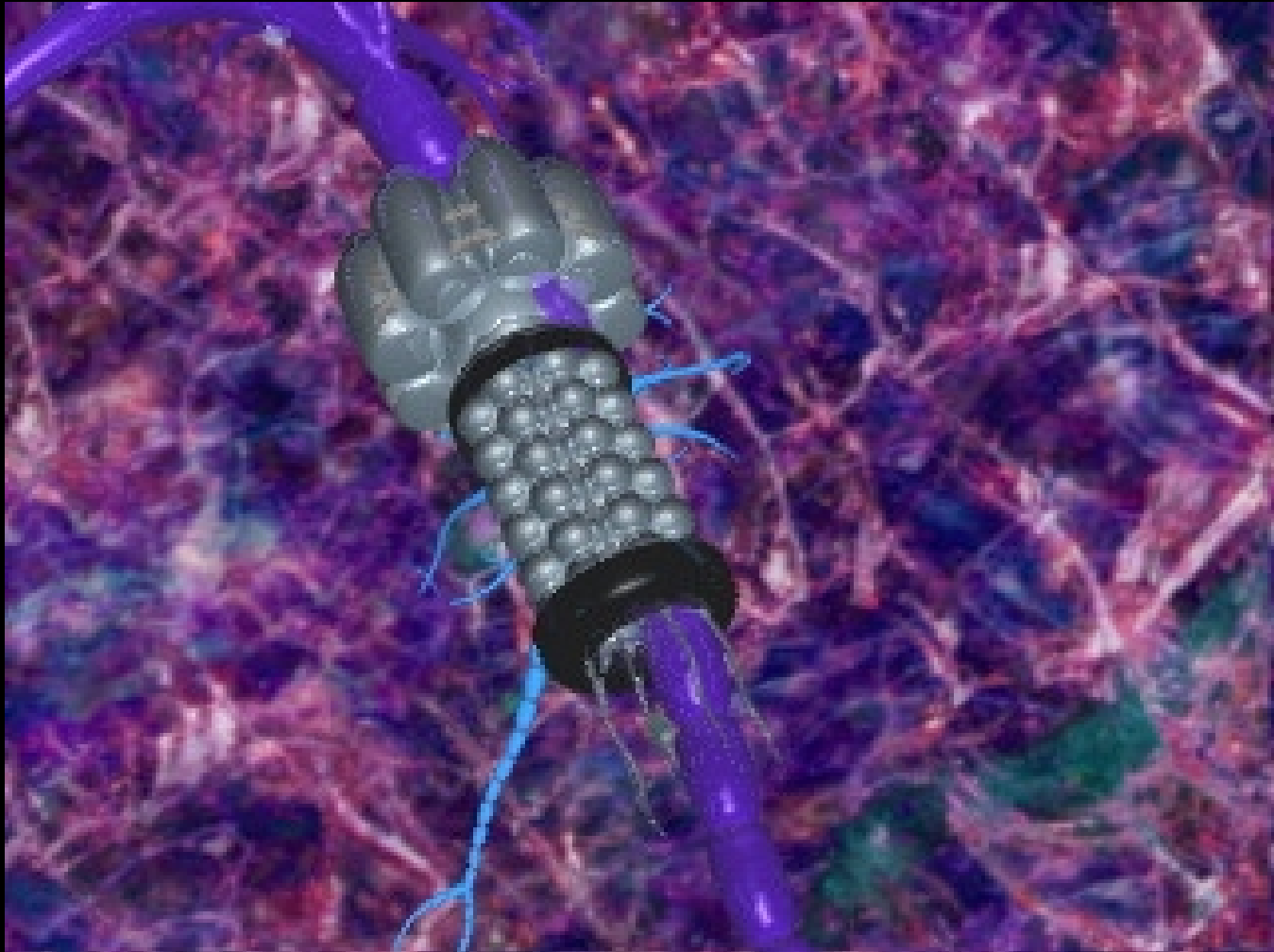


Info Bio Nano Cogno Tech Convergence –

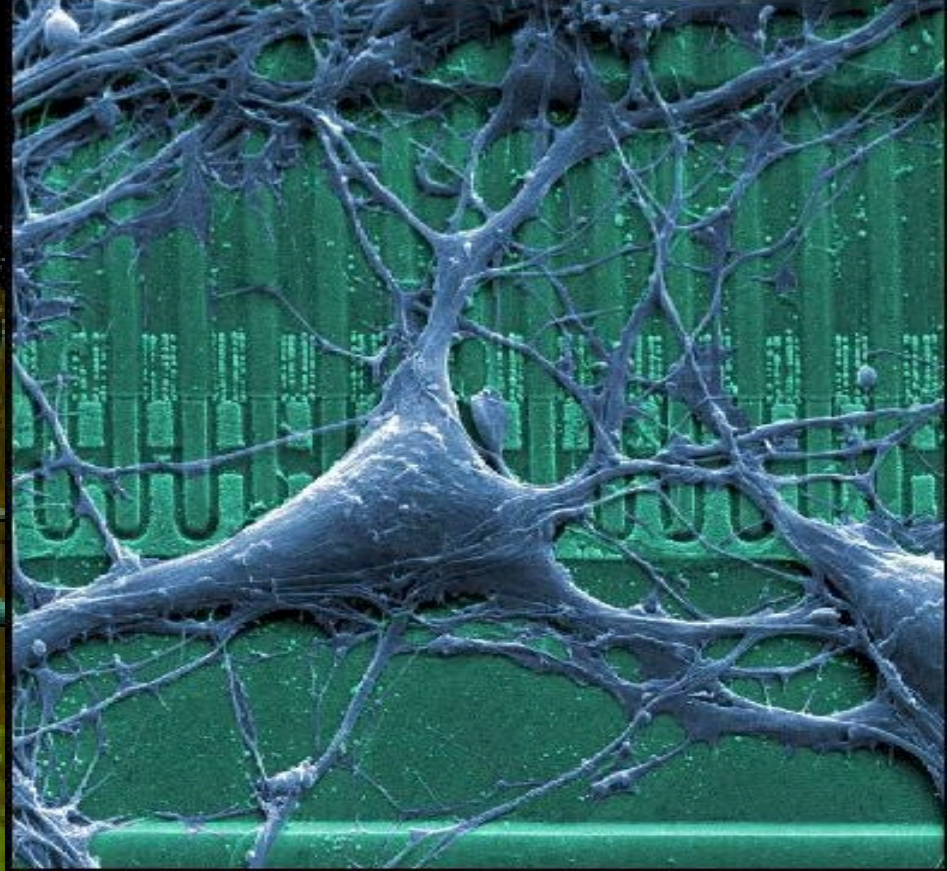
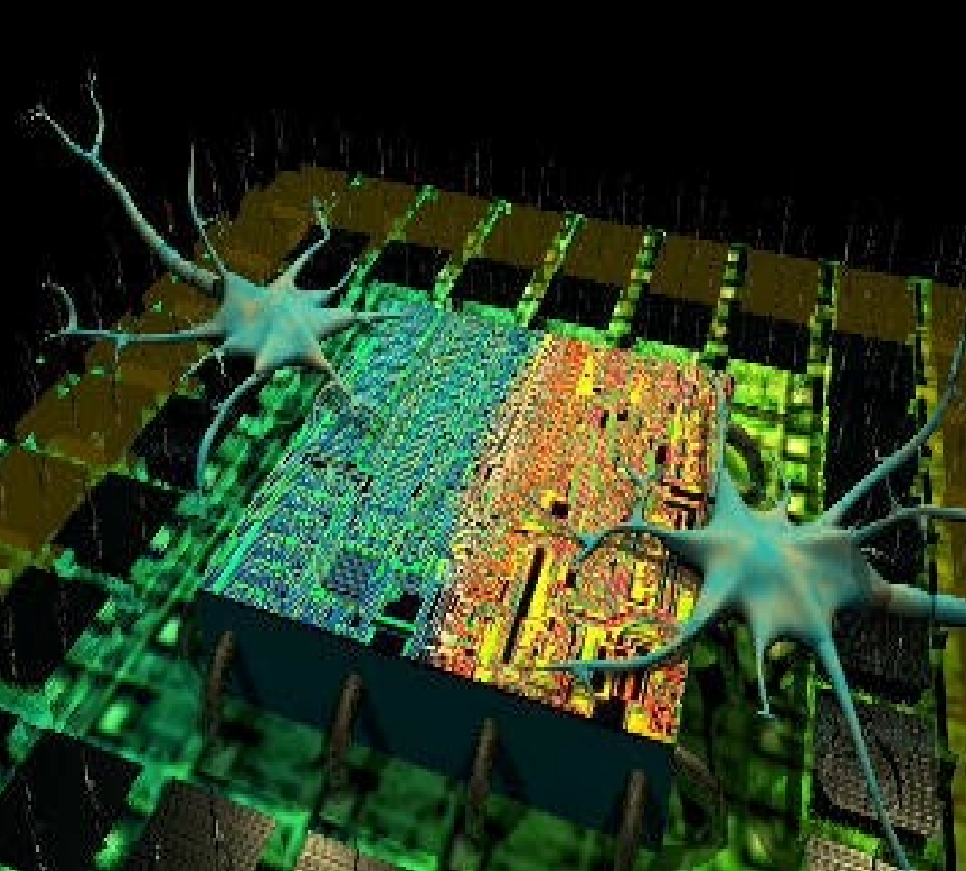


Synthetic Biology . . .

How far will this paradigm go?



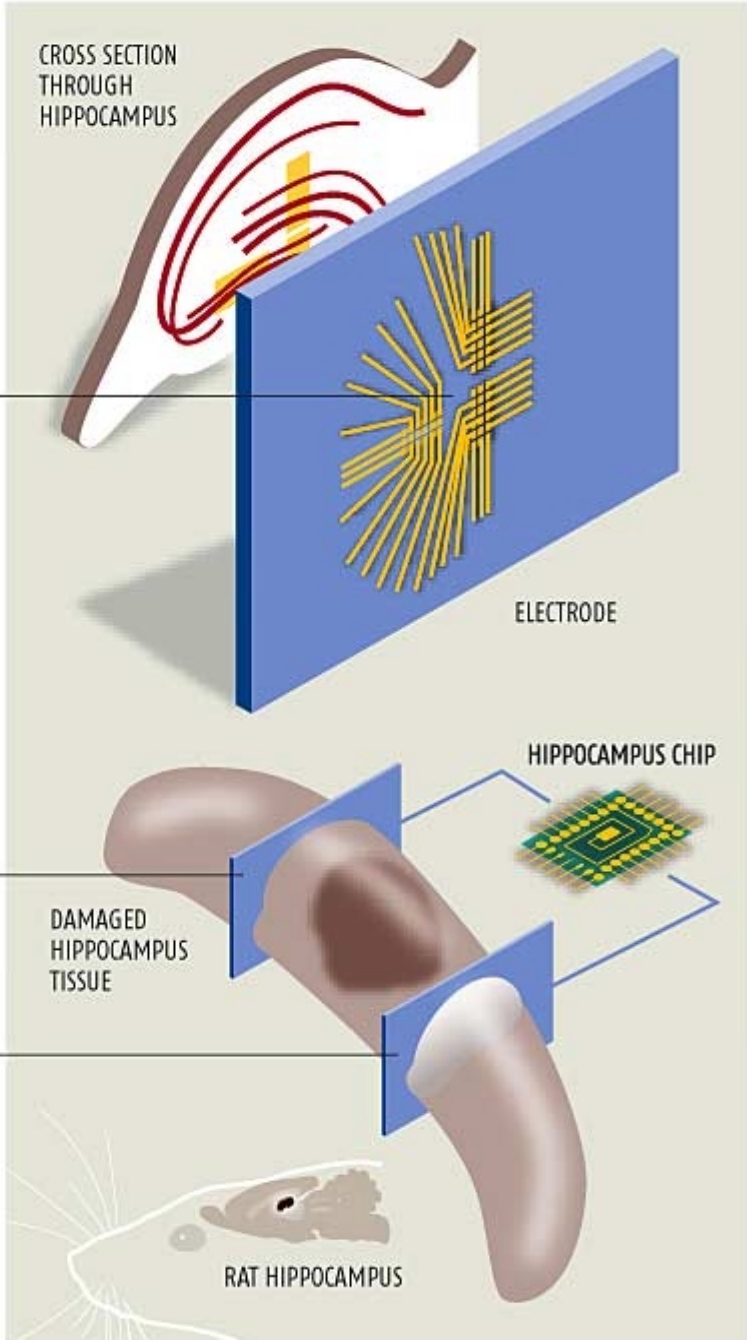
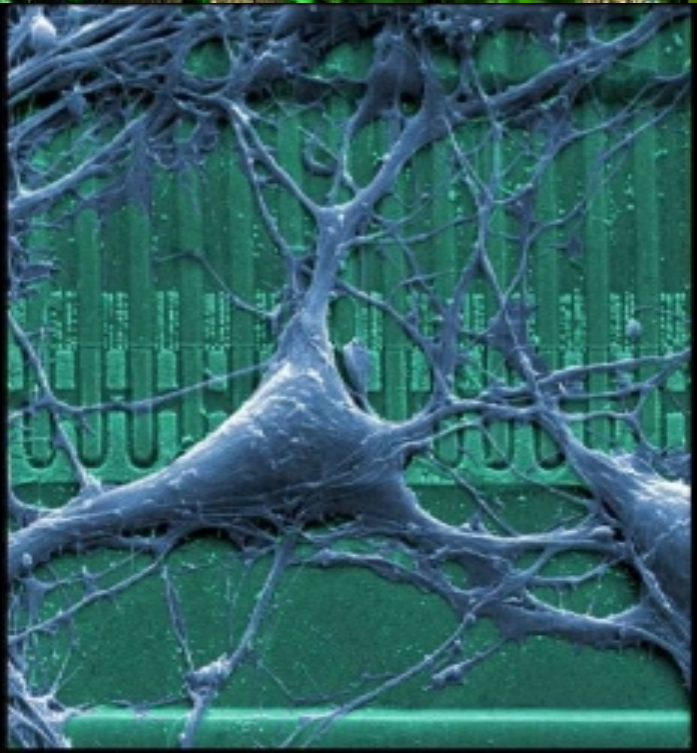
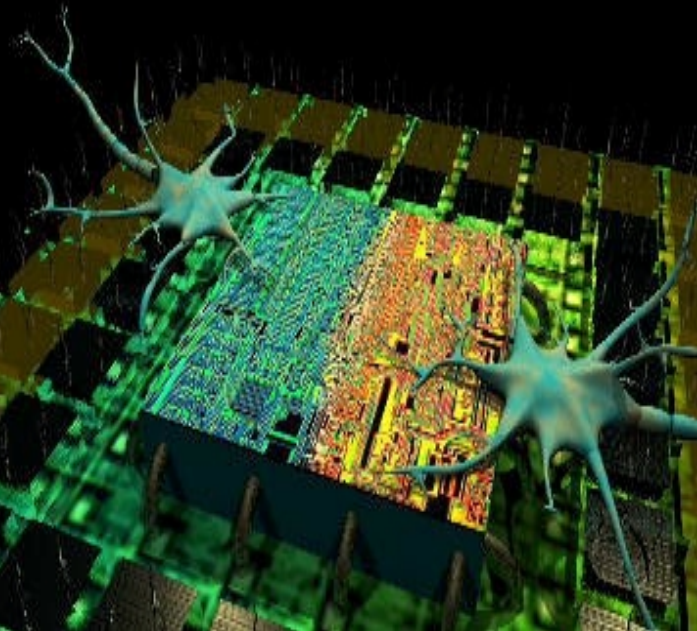
8/6/2010



The Evolutionary Eventhorizon where the threshold boundary point between the real and the virtual, the organic and the synthetic, has become seamlessly infused into an ever evolving symbiosis of our own creation, and what evolves henceforth.

HIPPOCAMPUS REPLACEMENT

Chip takes over the processing of nervous signals normally performed by the hippocampus



CROSS SECTION THROUGH HIPPOCAMPUS

ELECTRODE

HIPPOCAMPUS CHIP

DAMAGED HIPPOCAMPUS TISSUE

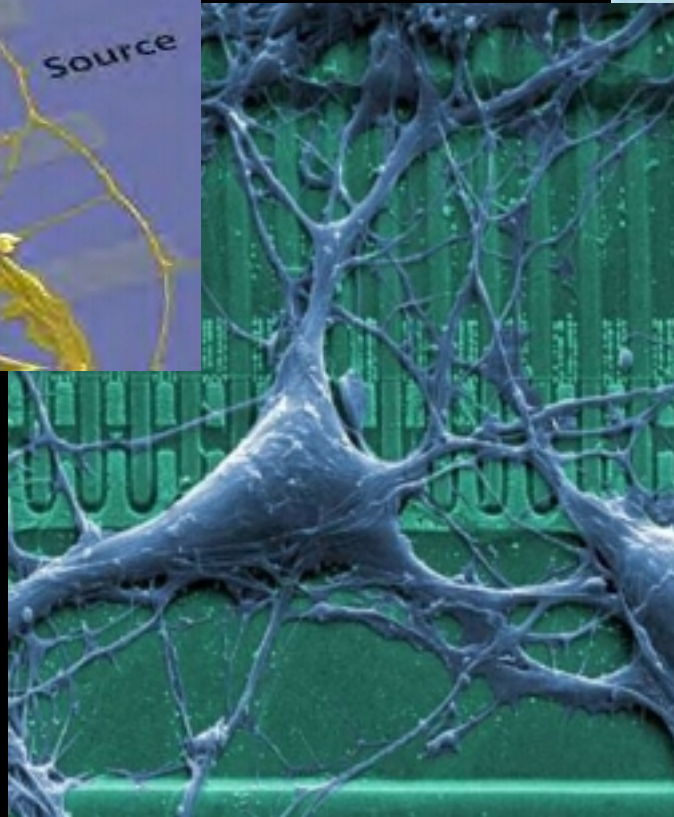
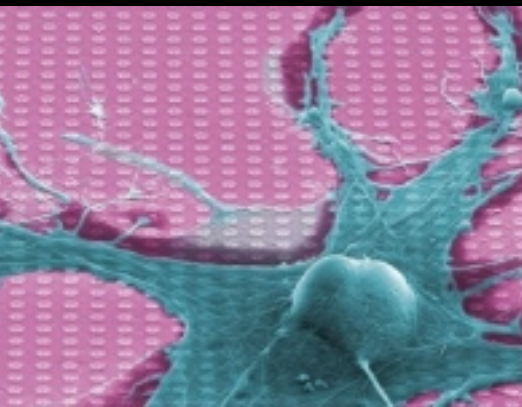
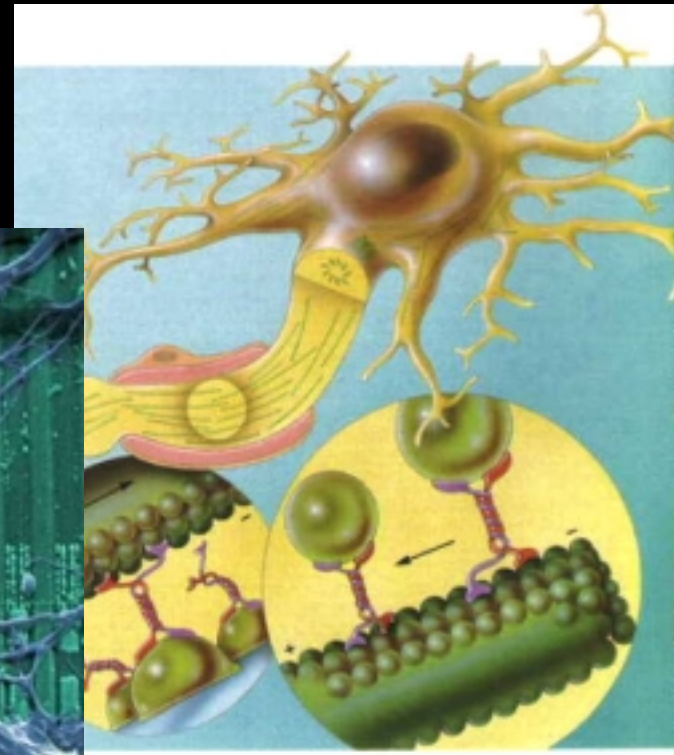
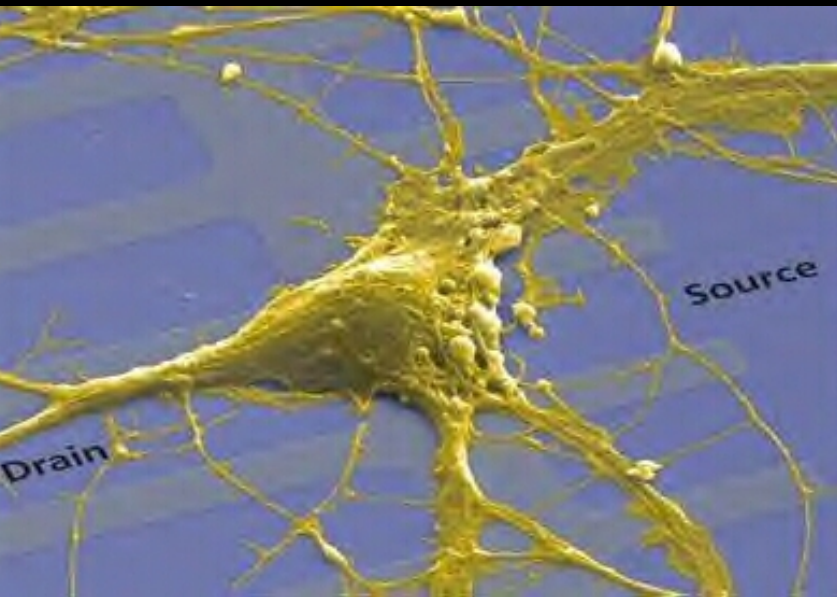
RAT HIPPOCAMPUS

Multiple electrodes are placed on each array. They are positioned to mimic the structure of nerve tissue within a slice of the hippocampus, and make contact with other parts of the brain

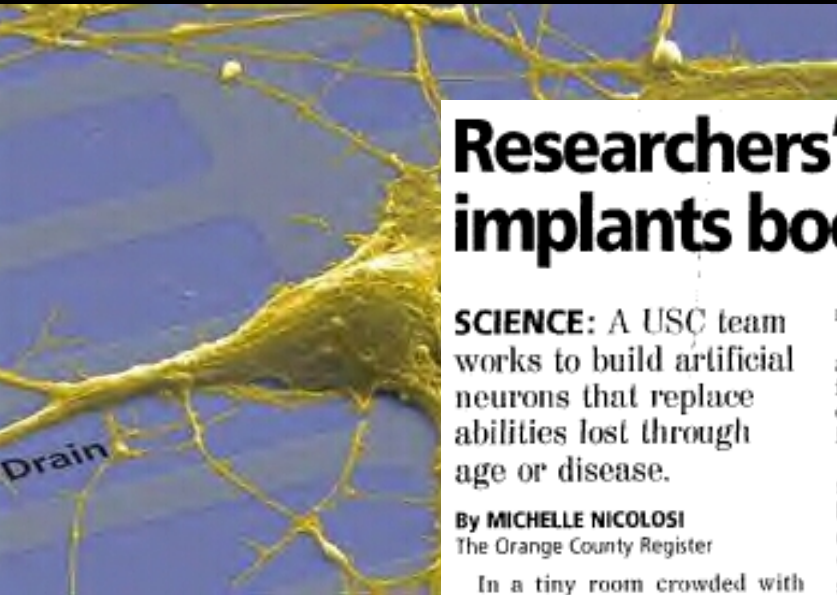
Recording electrode array "listens" to neuron activity coming into the hippocampus and feeds it to the chip

Stimulating electrode array delivers the appropriate electrical output to the rest of the brain

The New Frontier - Organic Merges with Synthetic Neuro-Electronic Interface



The New Frontier - Organic Merges with Synthetic Neuro-Electronic Interface



Researchers' brainchild: Microchip implants boosting mental function

SCIENCE: A USC team works to build artificial neurons that replace abilities lost through age or disease.

By **MICHELLE NICOLOSI**
The Orange County Register

In a tiny room crowded with electronic equipment five floors above USC's campus, researcher Sunil Dalal spends 12-hour stretches hunched over slices of brain tissue, "talking" to neurons.

For four years, Dalal has been sending electric shocks into these thin pink squares, then tracking the crackle of the captive neuron's electrical reply, transmitted by a receiver threaded into the heart of the

neuron like a tiny telephone wire.

Dalal has spent so much time alone here that sometimes it feels as though he is on the verge of understanding the neuron's Morse code.

"It's like when your parents speak another language at home," said Dalal, whose parents spoke an Indian language when he was young. "You can't speak the language, but somehow you understand."

The work Dalal and others are doing to plot the neurons' answers to an endless string of electrical questions is the key to an unprecedented effort to build biionic brain prostheses that one day may be able to restore functions lost to injury and old age.

While most neuroscientists have labored to understand why the brain works the way it does, the USC researchers are taking a

different approach: They're hoping that by tracking how individual neurons communicate, they can restore lost brain functions by implanting computer chips that mimic neuron chatter.

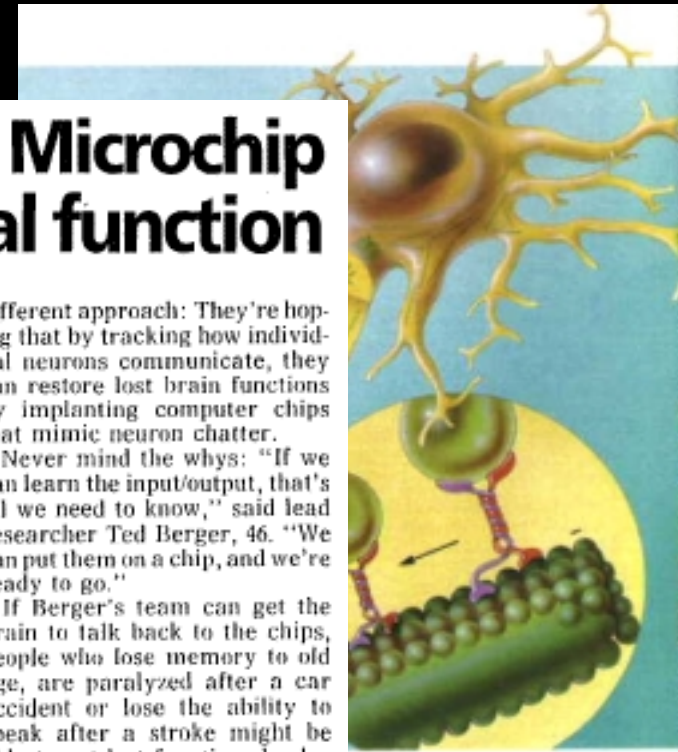
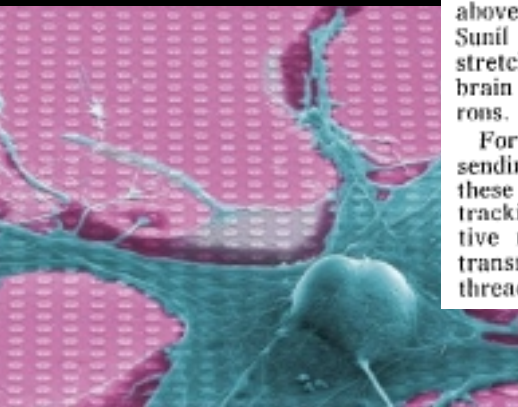
Never mind the whys: "If we can learn the input/output, that's all we need to know," said lead researcher Ted Berger, 46. "We can put them on a chip, and we're ready to go."

If Berger's team can get the brain to talk back to the chips, people who lose memory to old age, are paralyzed after a car accident or lose the ability to speak after a stroke might be able to get lost functions back.

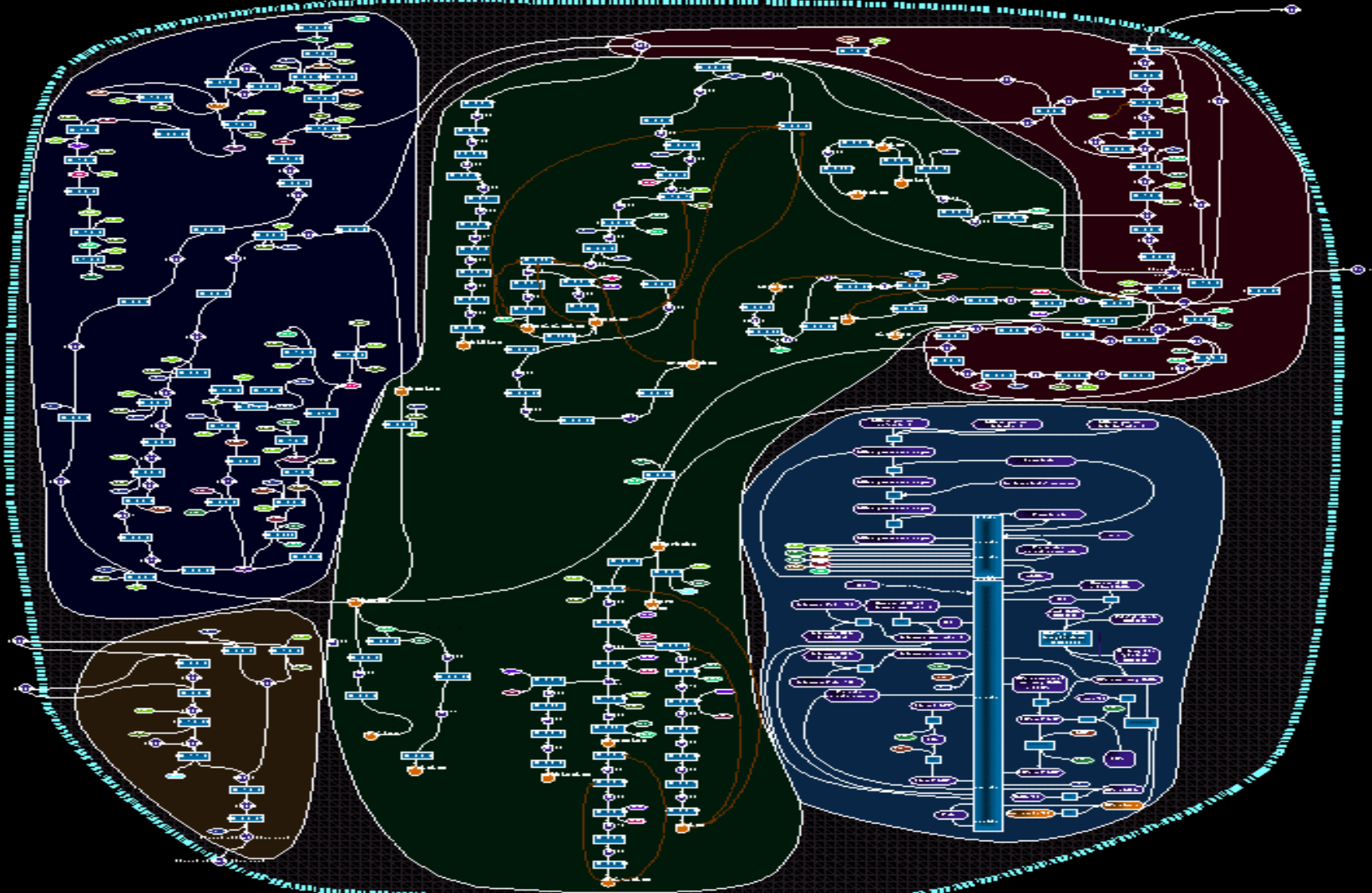
"Everyone grows old with age. Everyone loses their memory," said Dalal, a biomedical-engineering doctoral candidate.

"If we can come up with some-

Please see **BRAIN Page 22**



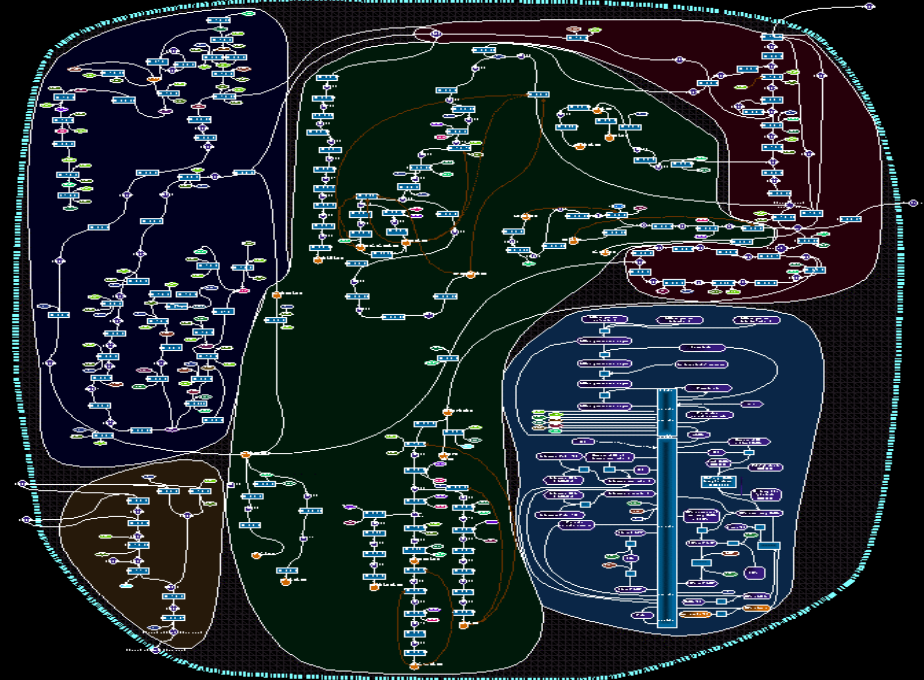
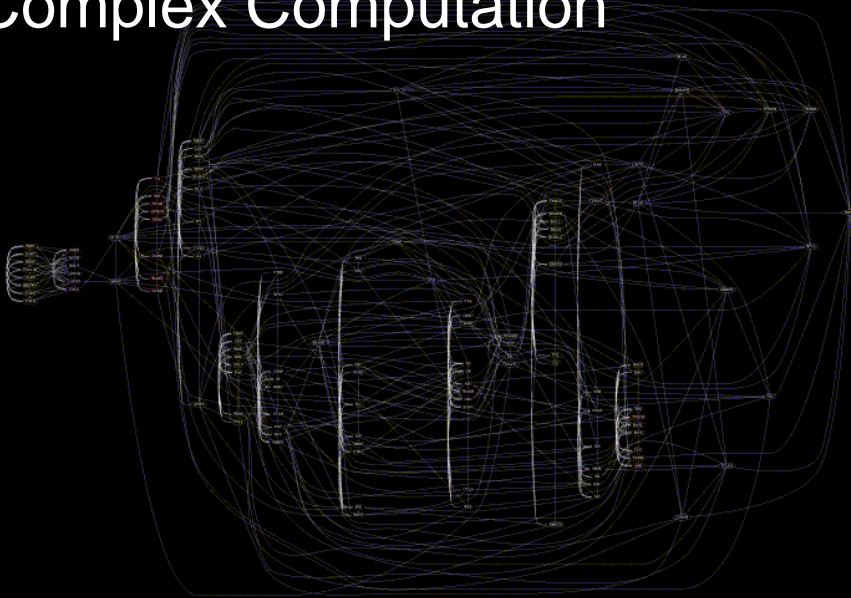
In-Silico Biology – Schematic Engine of Biological Systems



Evolutionary Computation –

Evolved Strategies Mapping Solutions
into Domains of Extreme Complexity

Evolutionary Computing –
Biology as a Metaphor for
Complex Computation



In Silico Biology – Computers
Modeling Complex Biological
Systems



The “emergent Evolutionary” Paradigm -

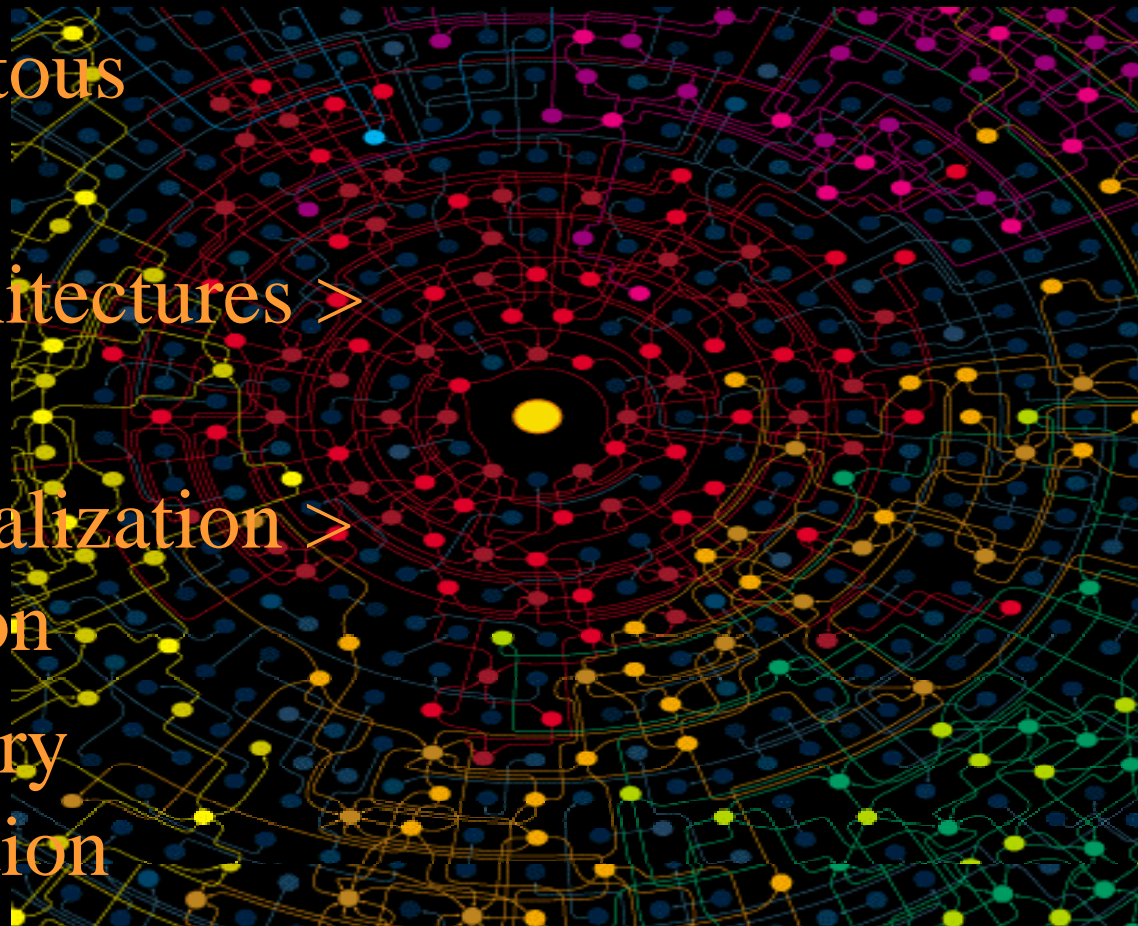
- Evolution is the engine of autonomous self organization, optimization
- Evolution enables adaptation to contiguous environmental morphology - *biomorphology*

Adaptive response to evolutionary challenge

Proactive, pre-emptive strategic mutation

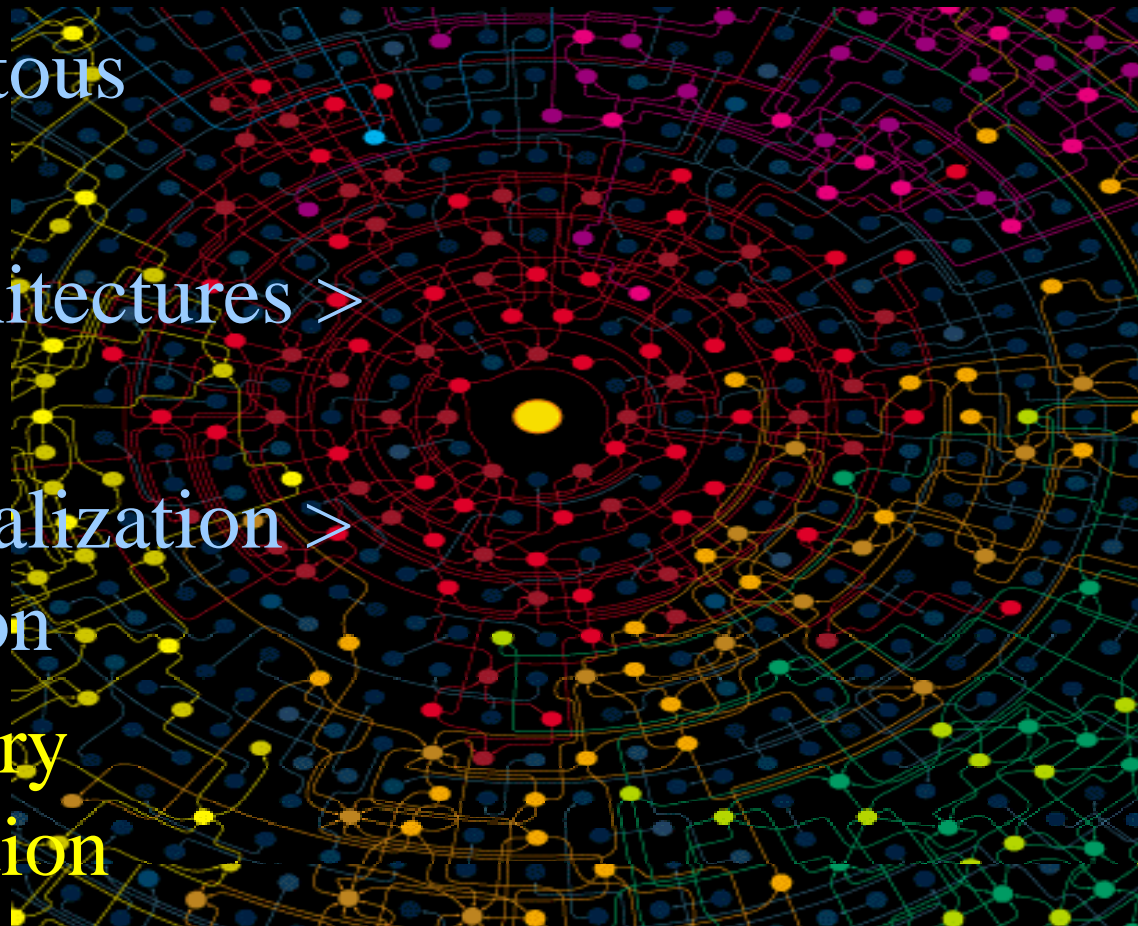
Complexity Management

- Biological metaphors in computing > ubiquitous computing
- Reconfigurable architectures > EC / AI / Alife
- Visualization, Virtualization > Symbiotic Immersion
- Human / Bio-mimicry Systemic Co-Evolution

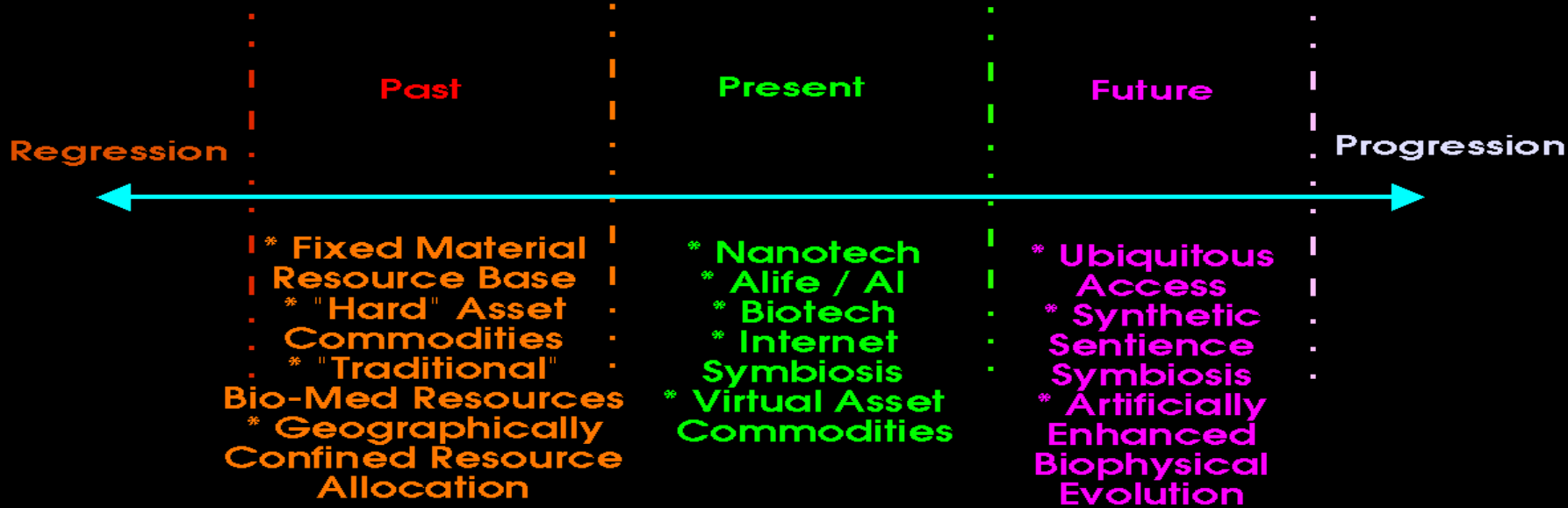


Complexity Management

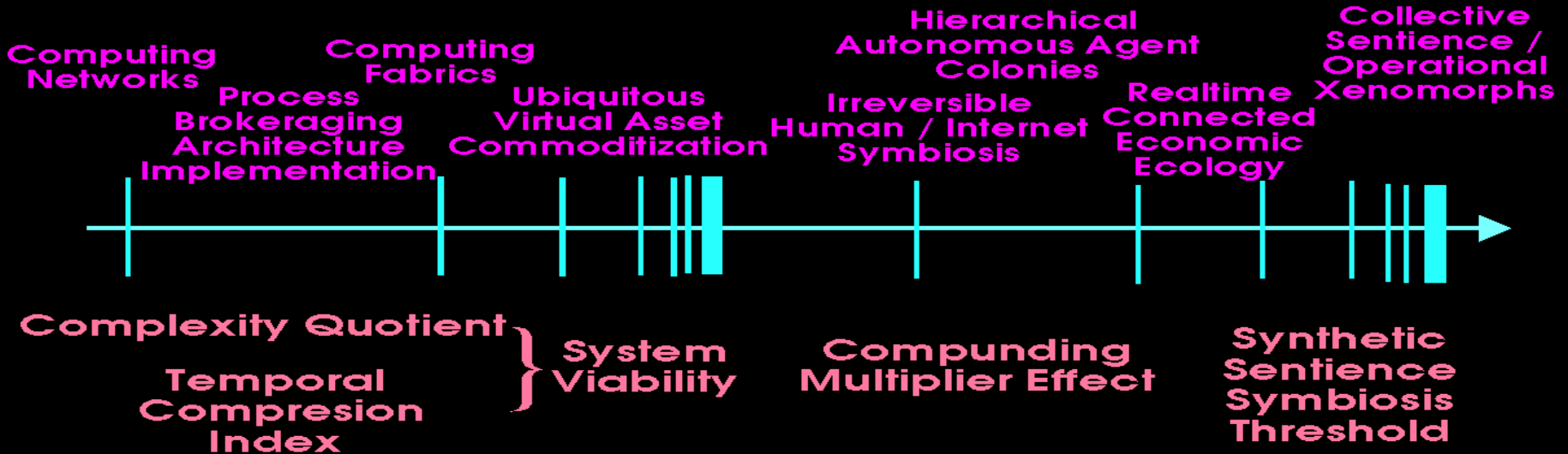
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Systemic Co-Evolution



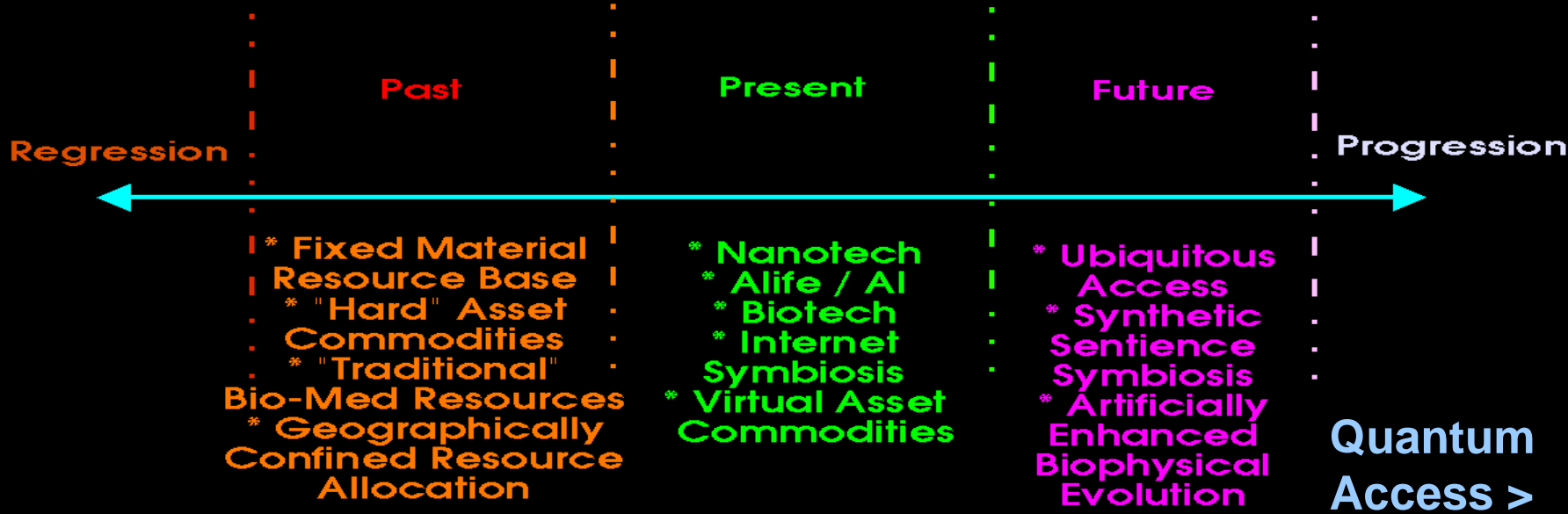
Technology Driven Socio-Anthropological Evolutionary Threshold Domains



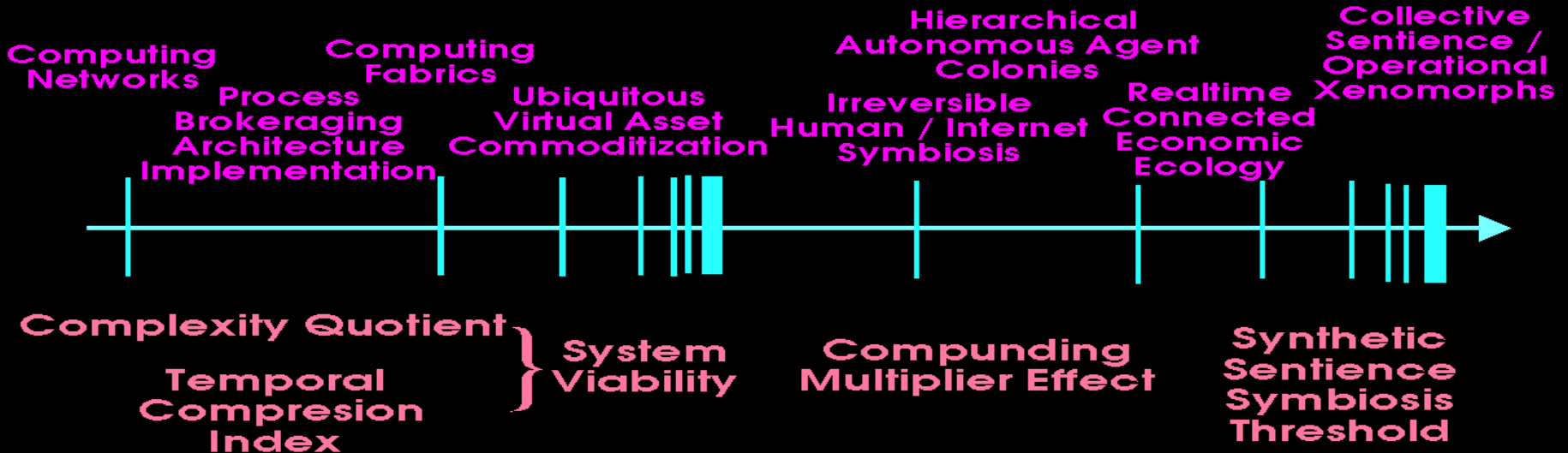
Evolutionary Eventstream Seminal Markers



Technology Driven Socio-Anthropological Evolutionary Threshold Domains



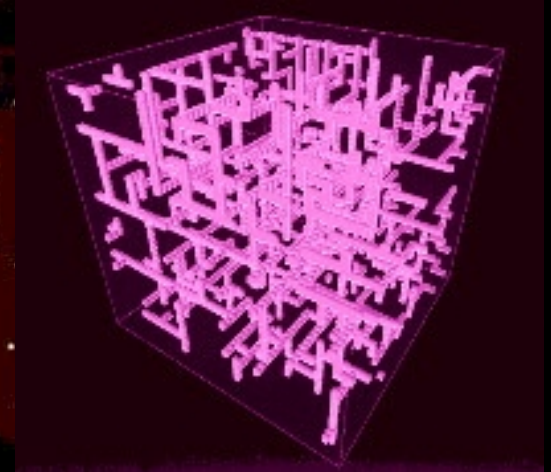
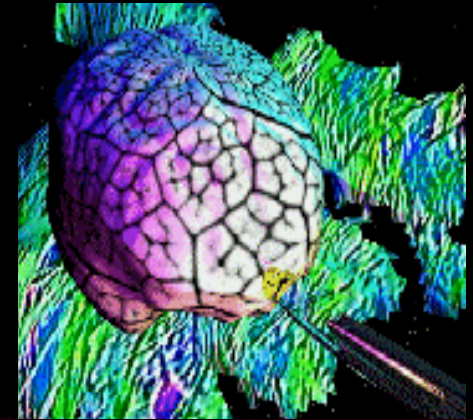
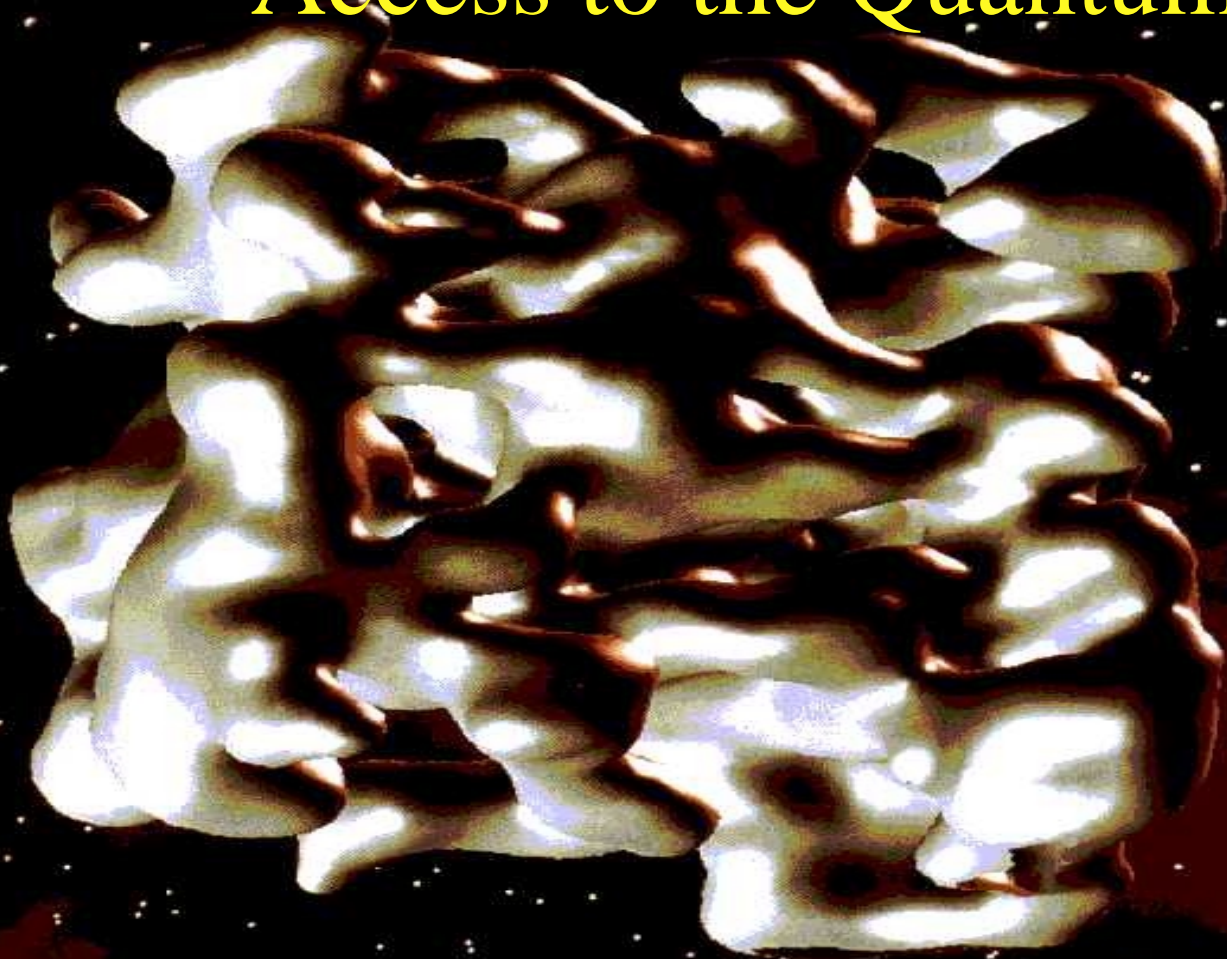
Evolutionary Eventstream Seminal Markers



The Next Evolutionary Eventhorizon

Hybrid Forms of Consciousness -

Access to the Quantum Foam



Quantum access – the next increment of n-dimensional evolution



8/6/2010

Existence Navigation – Media, Platforms, Portals

Quantum tunneling wavelet state registration signature control with coupled random number ID key generation sample tagging applied via optical mirror inverter feedback signal aligned into the block photon entanglement production stream, which is the ticket to creating a hyper light communication transducer function for establishing and maintaining ultra wide bandwidth pulse communications.

Collection of remote influence factors into a non-spatio-temporal information resonance quantum cycleation engine only requires distribution of the pre-generated generated random number key in any one a number of media expressive modalities for user engagement.

Very much like using random number sets to cue remote viewing, but effected on a multi-participant basis to also proactively stimulate remote influence functions, like healing, on a massive level.

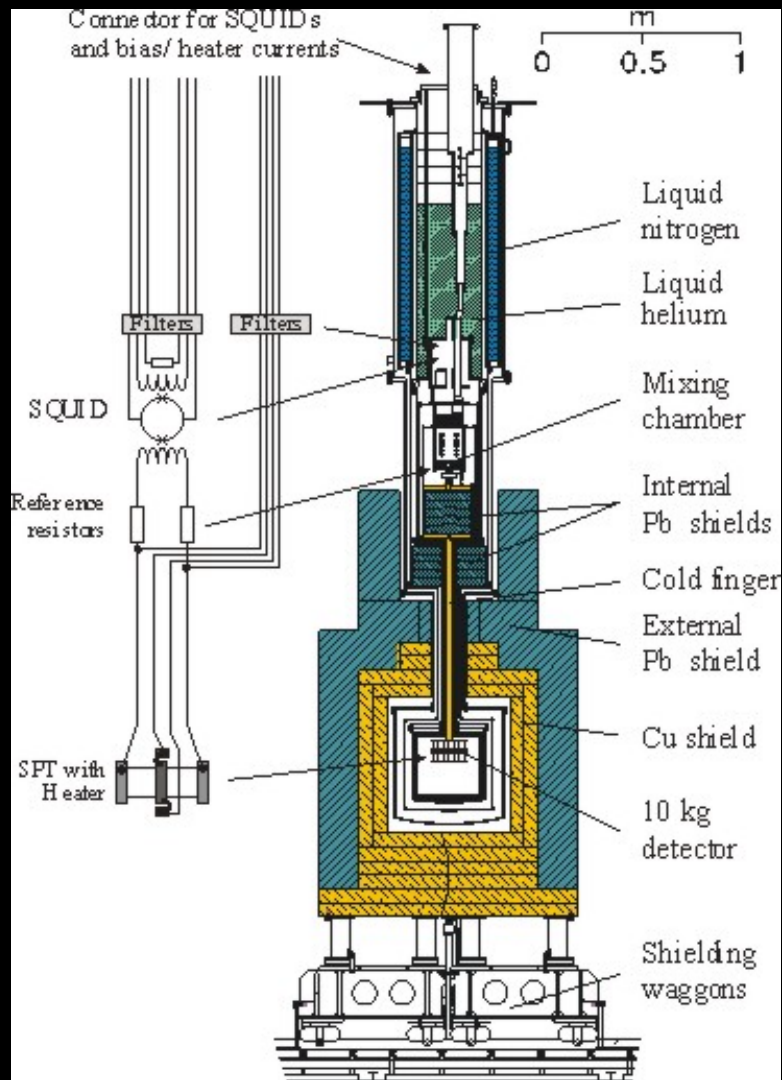
Existence Navigation – Media, Platforms, Portals

Infinity of quantum registration random number states permits any finite indexing schema to be actuated to effectively reference its wholeness or any of its parts, and thus open a totally secure channel for communication between any number of parties. This is quantum implicate-explicate morphic field cueing as a consciousness-to-machine controllable function.

Caveat - this can be used for hurting as easily as healing...

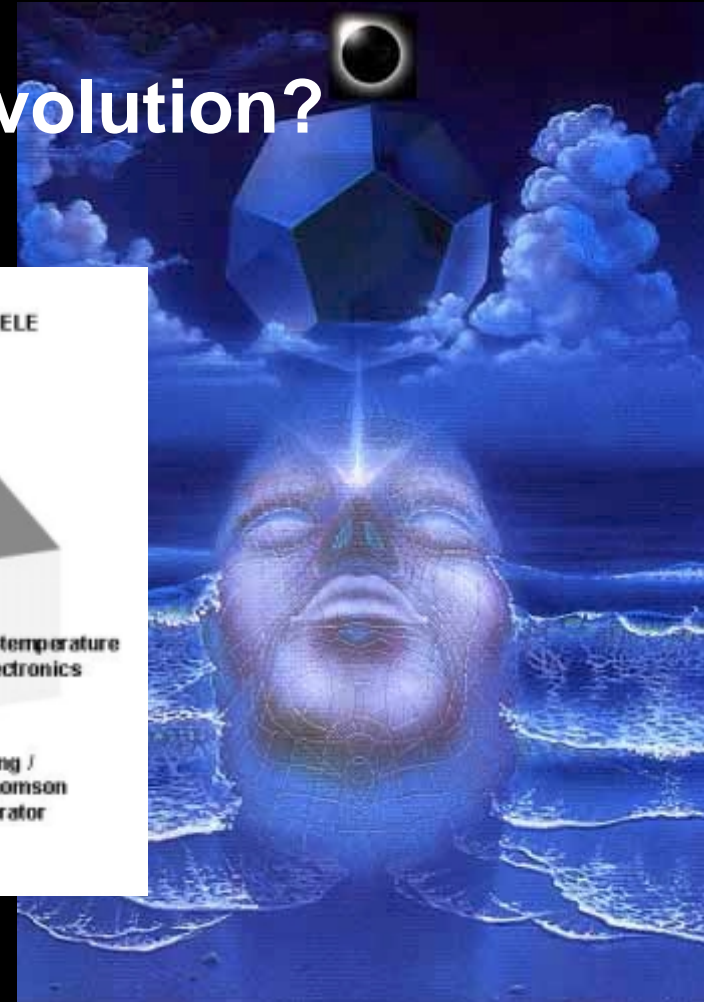
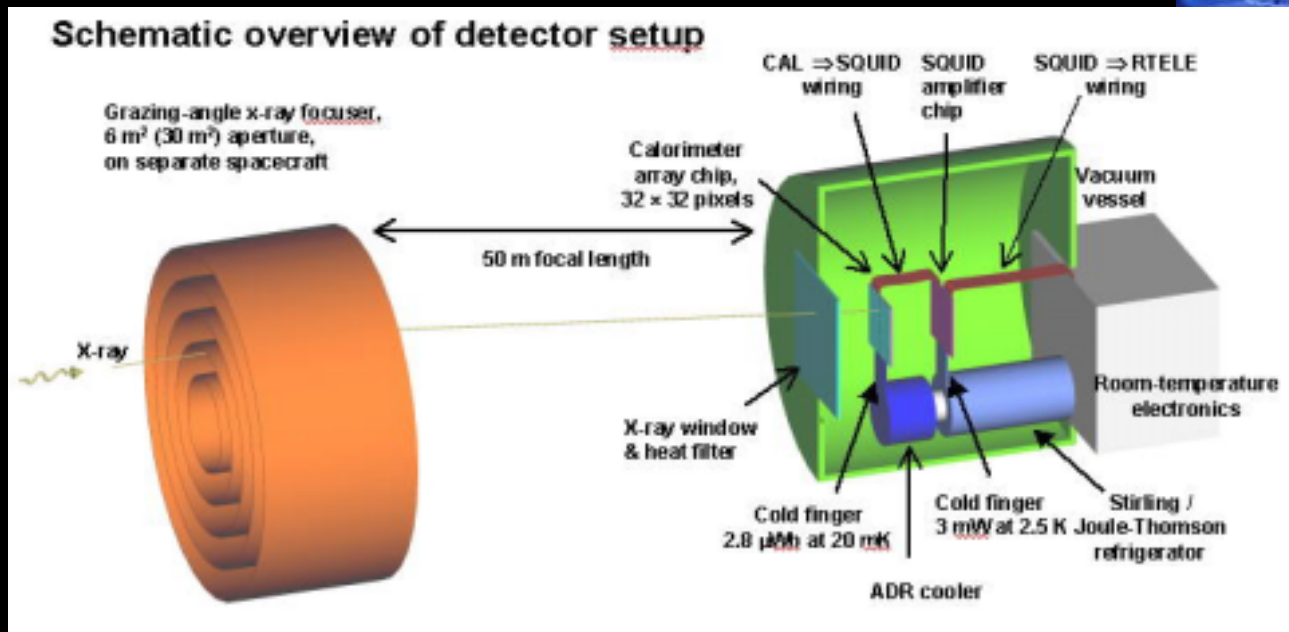
- *Bill Moulton*

Signal detection using superconducting quantum interference device



Signal detection using superconducting quantum interference device

Technical tools toward spiritual evolution?



Global Consciousness Project

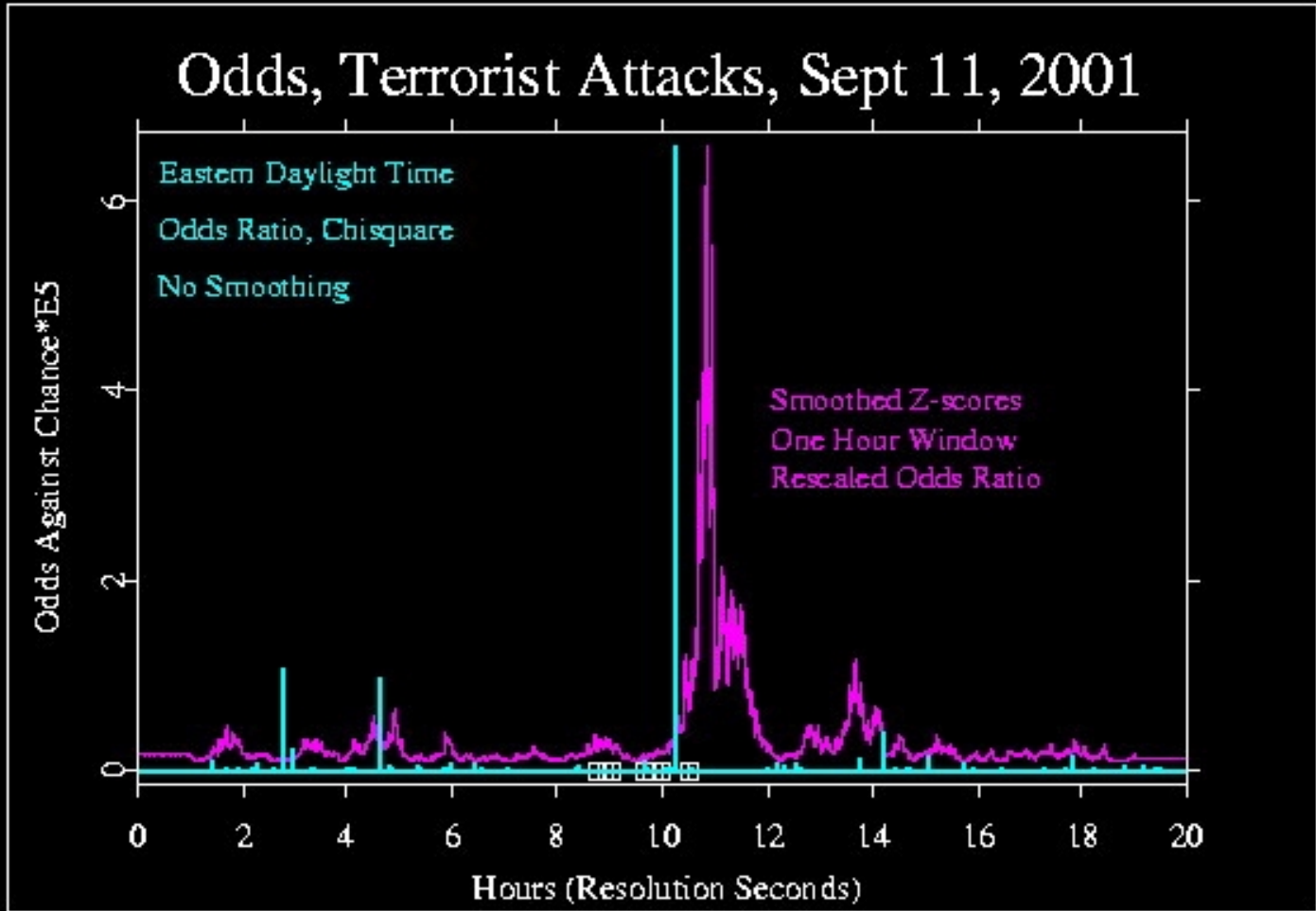
<http://noosphere.princeton.edu>

Global Consciousness Project
Registering Coherence and Resonance in the World

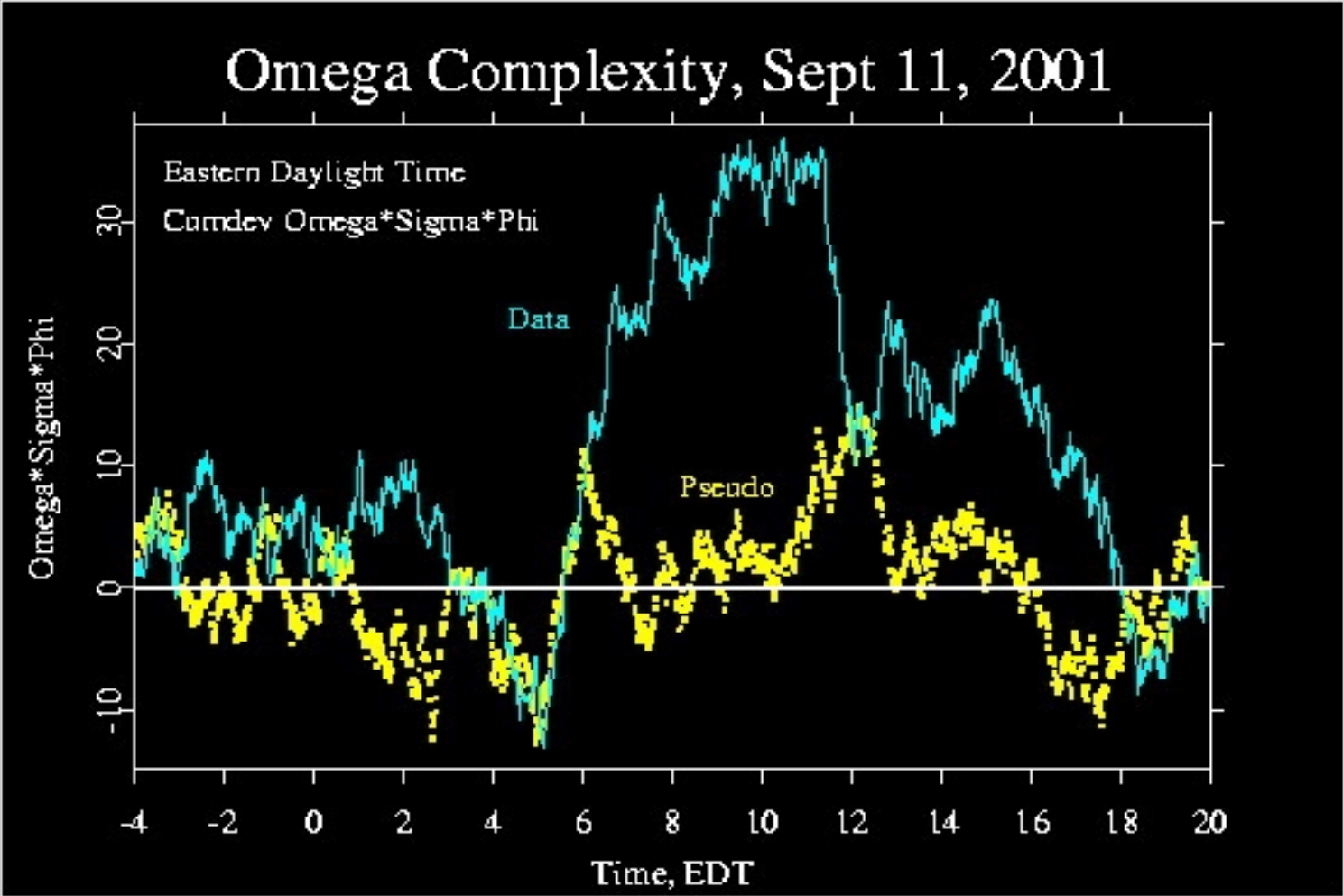
- **The Global Consciousness Project** We do not feel that our minds are isolated within our bodies. In truth, we experience the world with beautiful immediacy, we know our loved ones from afar, and we leap in thought to the stars. Research on anomalies of consciousness shows that we may have direct communication links with each other, and that intentions can have effects in the world despite physical barriers and separations. Evidence compels us to consider that consciousness may operate as a nonlocal field. The Global Consciousness Project (GCP) takes this possibility a step further, proposing that the fields generated by individual consciousness would interact and combine, and ultimately have global dimensions

Roger Nelson

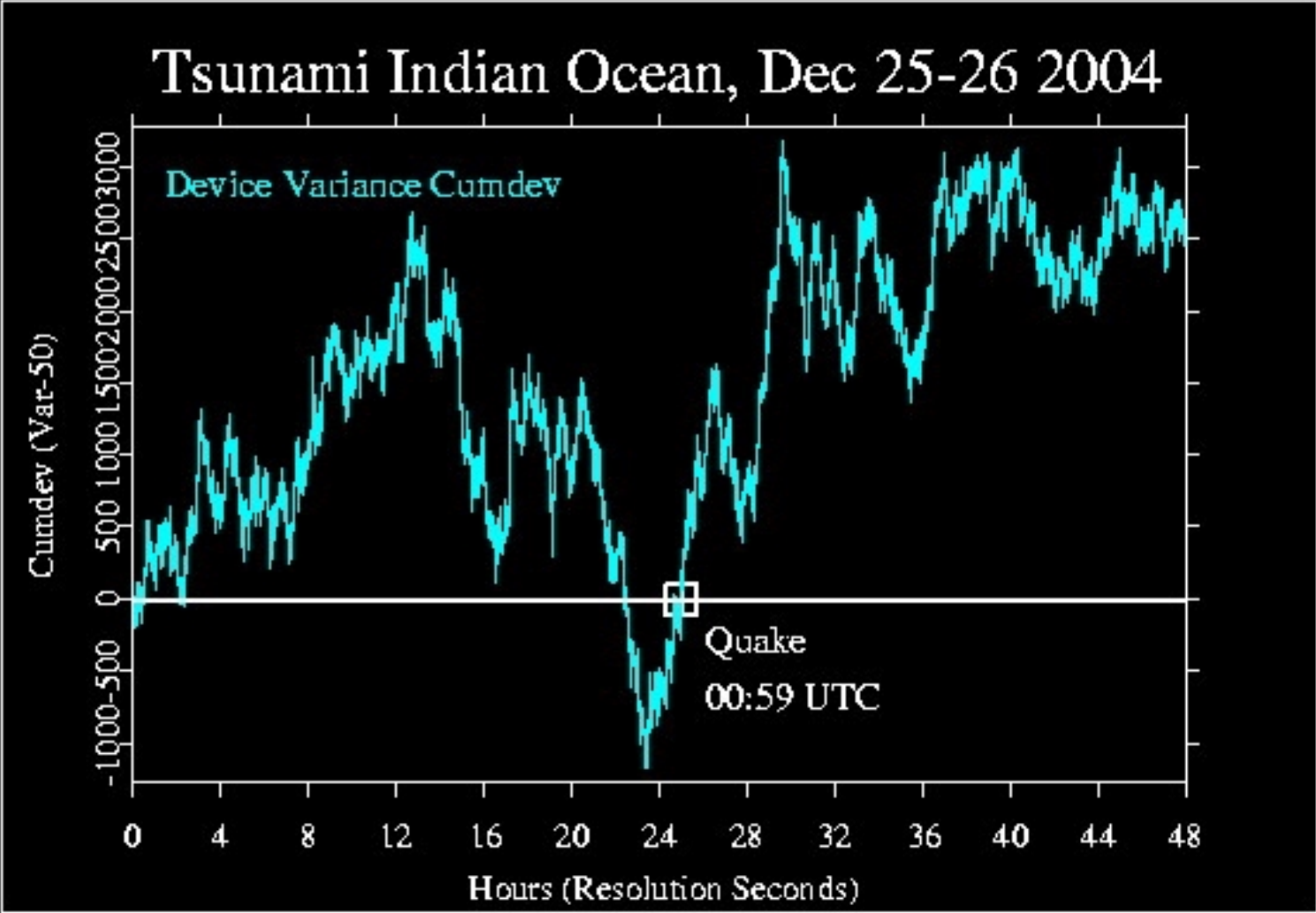
Evidence of Potential Entanglement Field Artifacts of Quantum Domain State Phase Transitions Affecting RNG Datastream Statistical Variants – Mass Mental Synchronicity Event Correlation



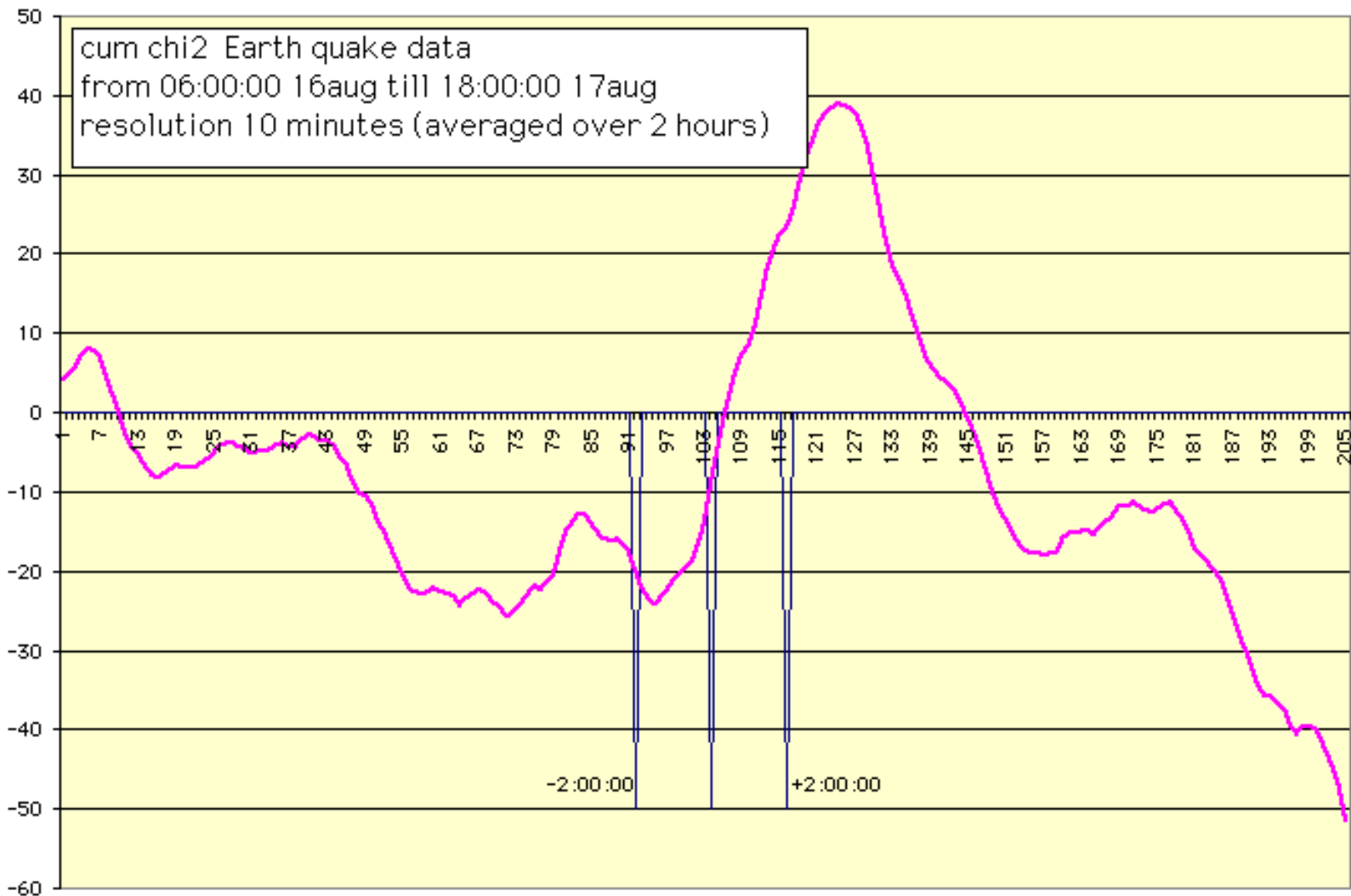
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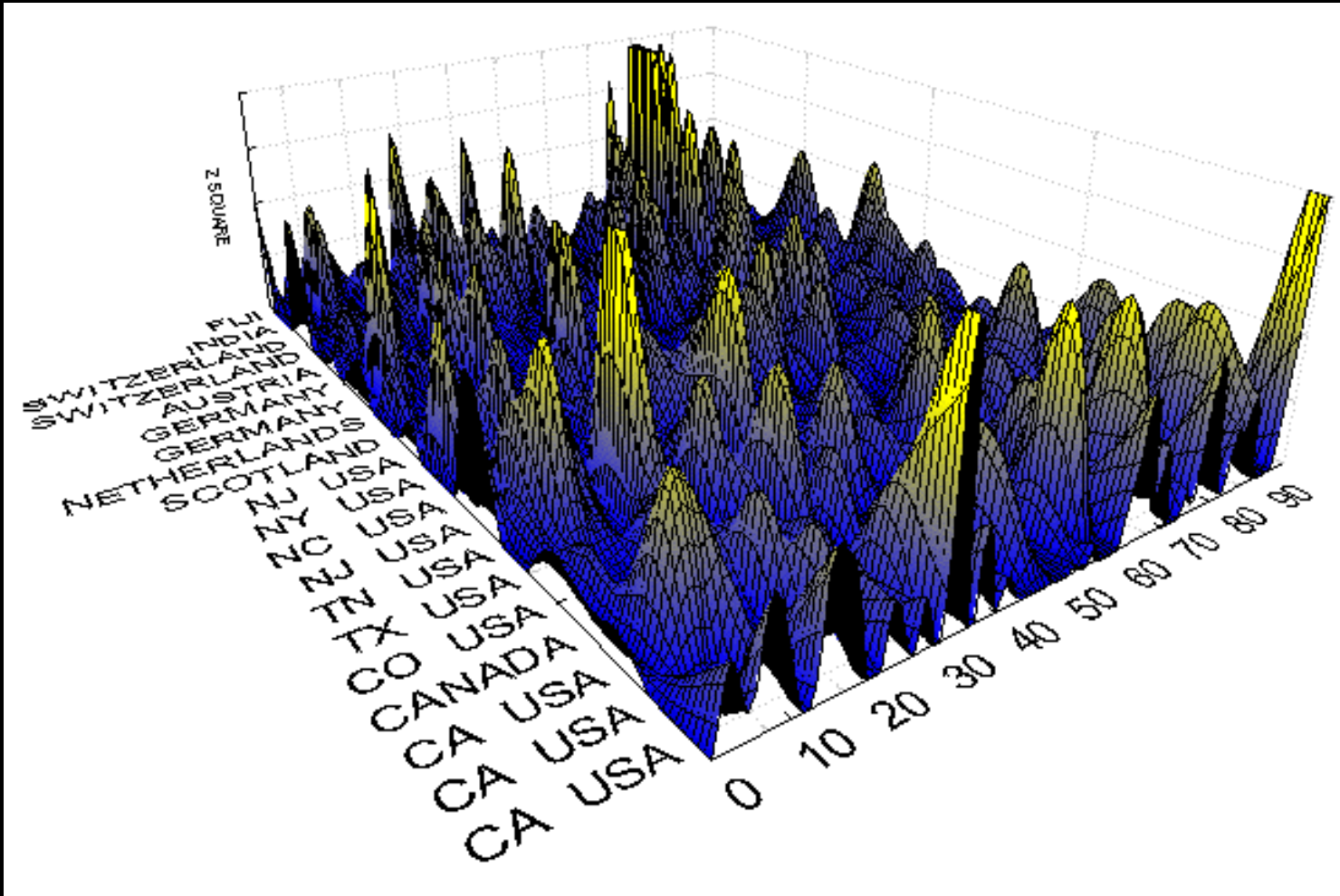
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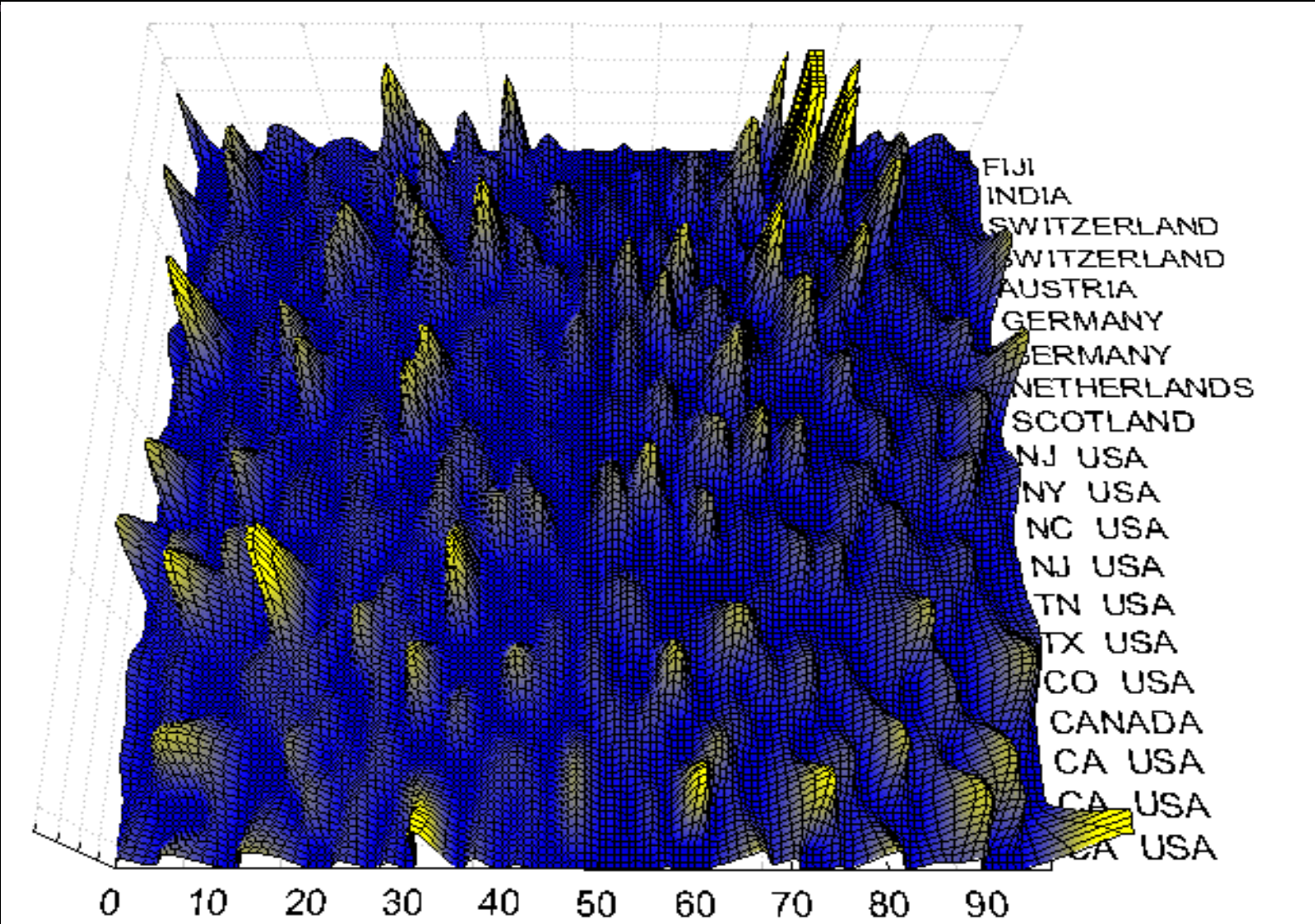
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Evidence of Non-locality Entanglement Artifacts of Quantum Domain State Phase Transitions Affecting RNG Datastream Statistical Variants – Mass Mental Synchronicity Event Correlation



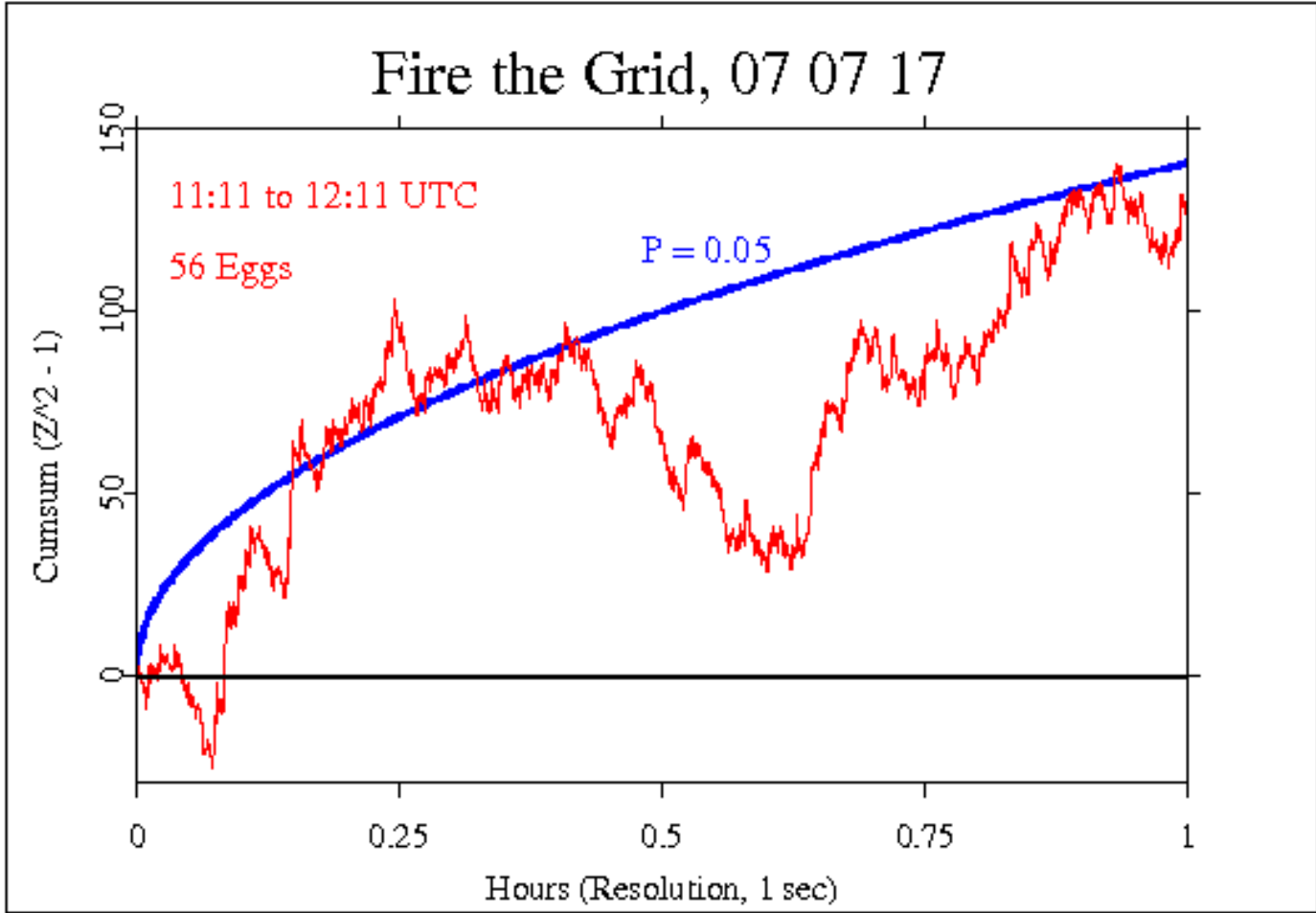
Evidence of Non-locality Entanglement Artifacts of Quantum Domain State Phase Transitions Affecting RNG Datastream Statistical Variants – Mass Mental Synchronicity Event Correlation



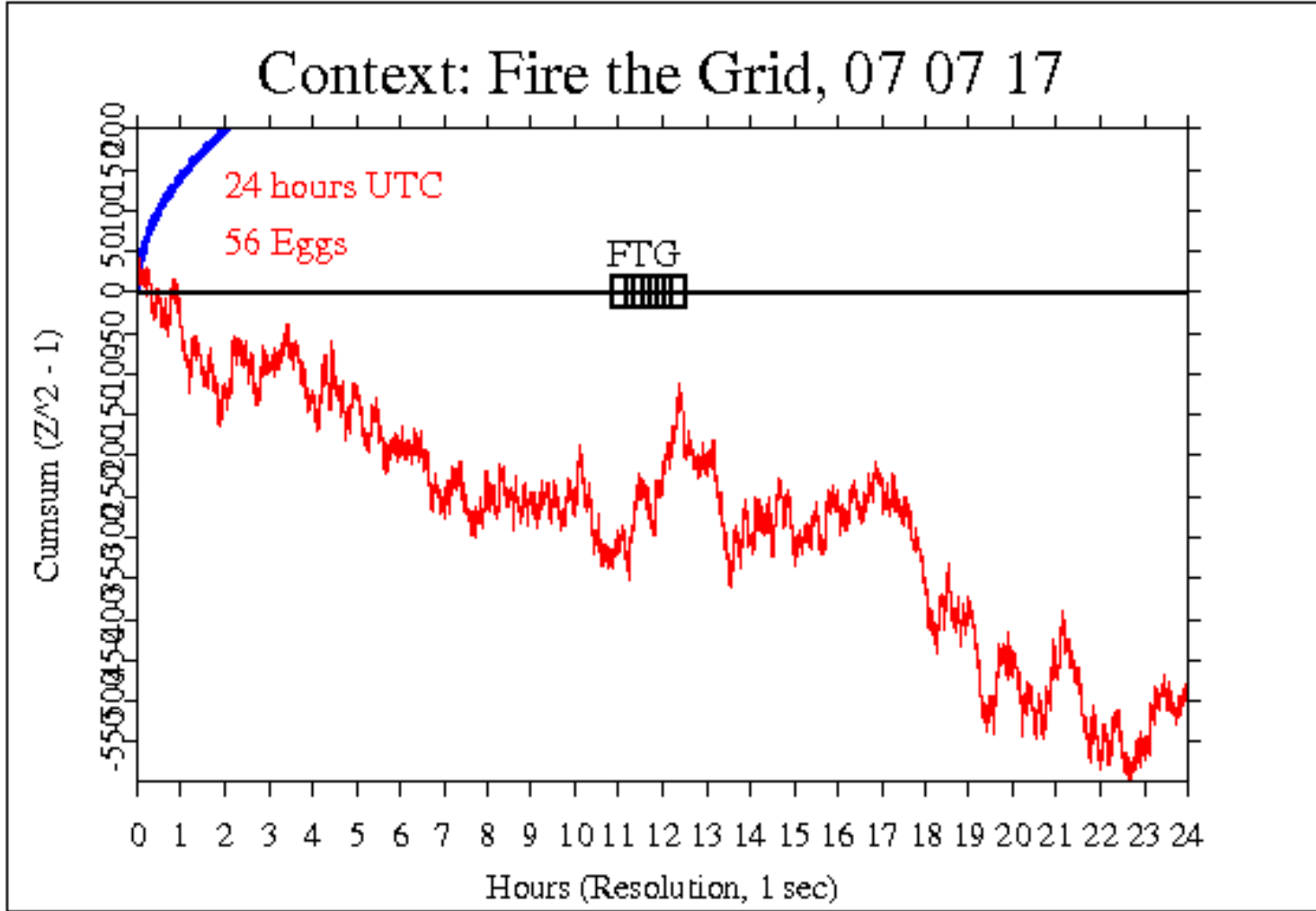
This is Your Invitation
To Help Heal The Earthgrid
11:11am GMT on 17:7:2007
www.firethegrid.com



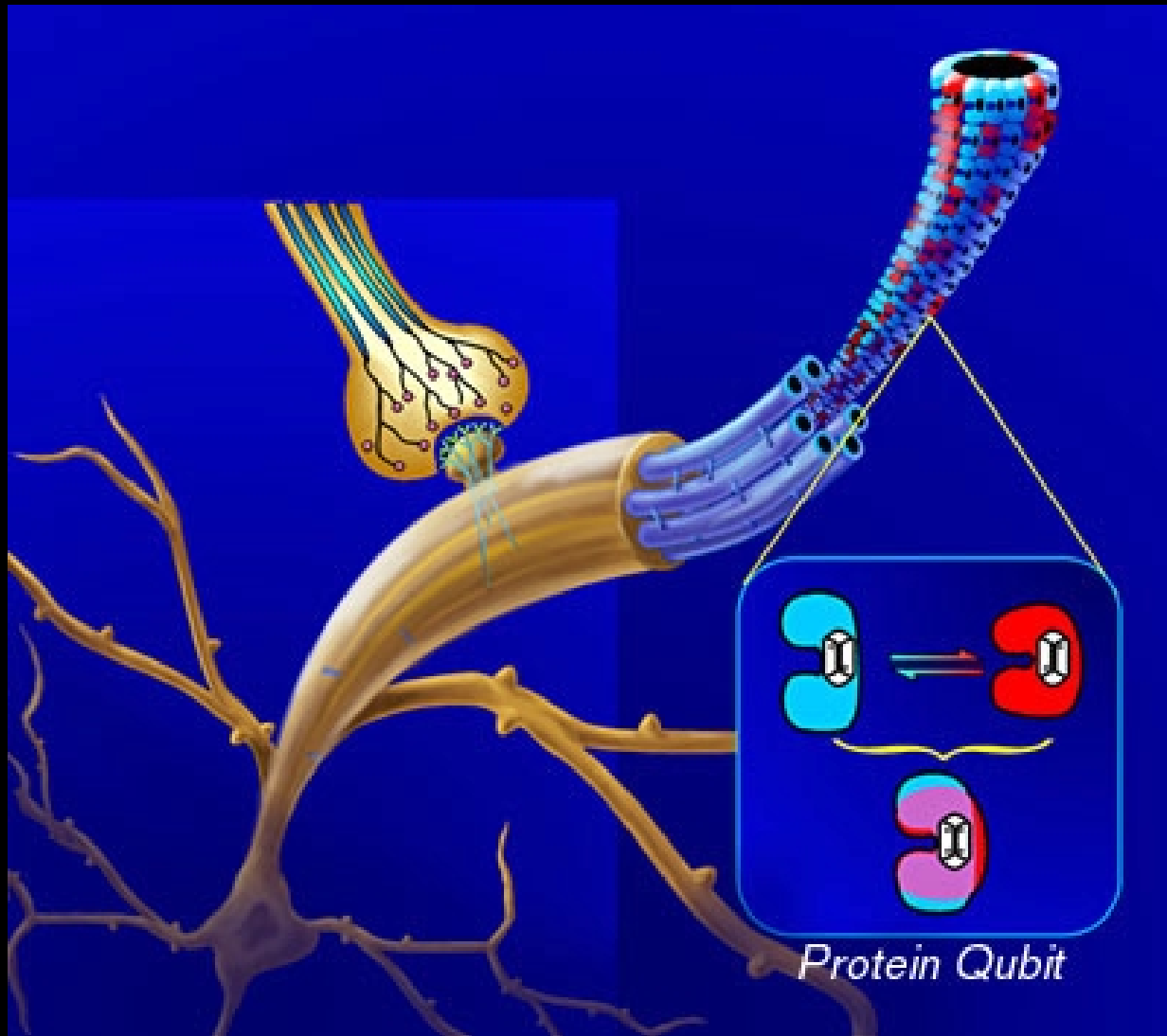
Evidence of Potential Entanglement Field Artifacts of Quantum Domain State Phase Transitions Affecting RNG Datastream Statistical Variants – Mass Mental Synchronicity Event Correlation



Evidence of Non-locality Entanglement Artifacts of Quantum Domain State Phase Transitions Affecting RNG Datastream Statistical Variants – Mass Mental Synchronicity Event Correlation

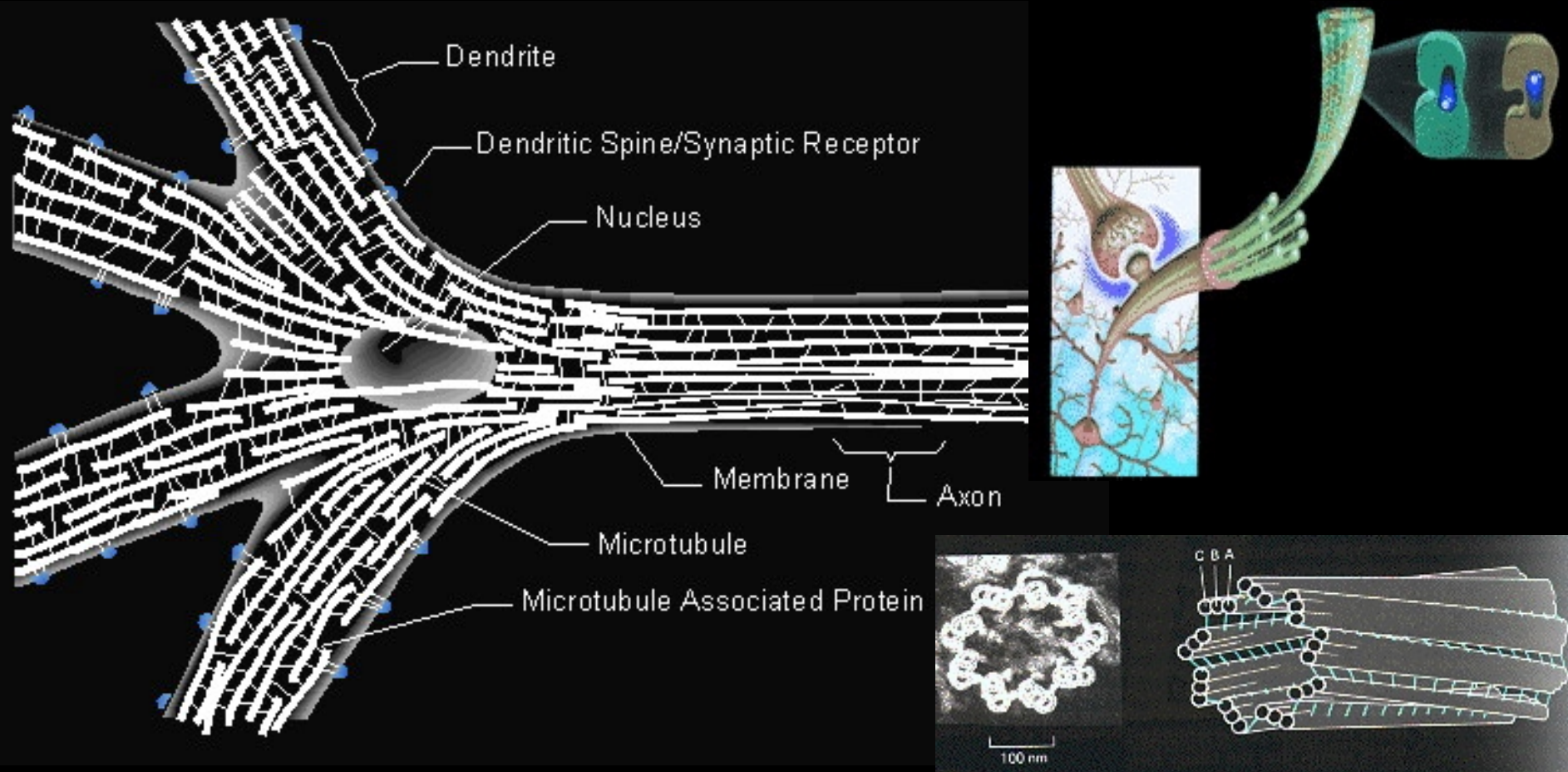


Quantum / biophysical interaction – theoretical models



8/6/2010

Quantum / Biophysical – Microtubulin / Neural Interface



Quantum / biophysical interaction – theoretical models

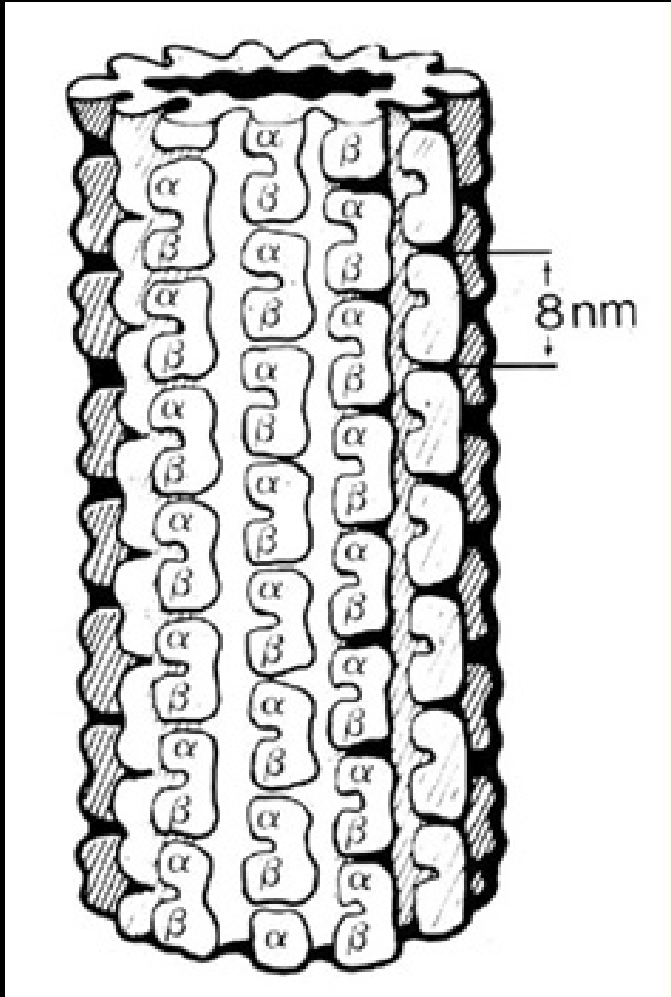
Quantum Brain Dynamics

quantum field-supporting biosubstrate as a dense nanolevel web of protein molecules (microtubules) which penetrates neuronal and neuroglial membrane boundaries

quasi-crystalline ordered water molecules within microtubules and associated with hydrophylic regions on the web of protein filaments, as a biosubstrate for a quantum field which supports super-radiance and self-induced transparency within the microtubules



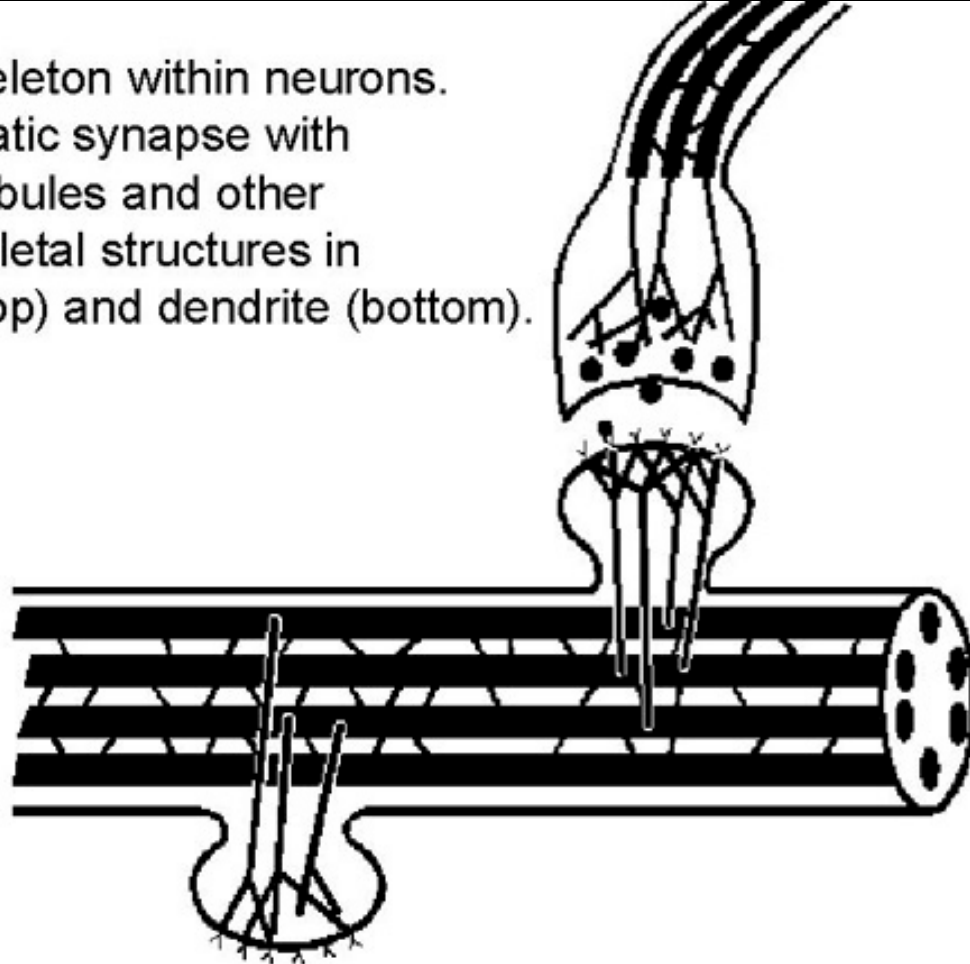
Quantum / biophysical interaction – theoretical models



Microtubules (MT) are hollow cylinders 25 nm in diameter. MT walls are hexagonal lattices of the protein tubulin. Each tubulin is a 'peanut'-shaped 8 nm dimer consisting of alpha and beta monomers. MT are the major components of the cell cytoskeleton, and self-assemble to determine cell shape and function. X-ray crystallograph from Amos and Klug, 1974.

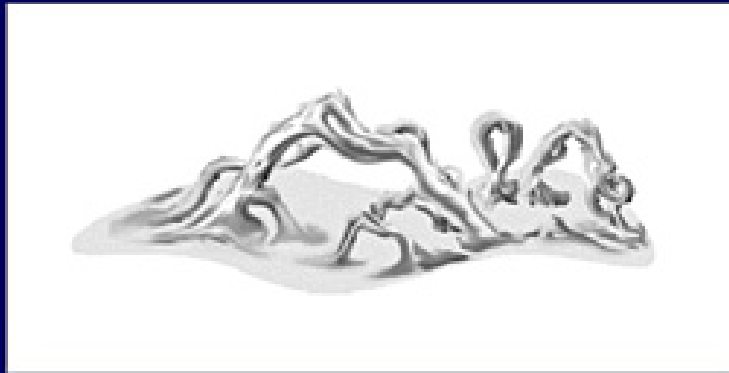
Quantum / biophysical interaction – theoretical models

Cytoskeleton within neurons.
Schematic synapse with
microtubules and other
cytoskeletal structures in
axon (top) and dendrite (bottom).



Quantum / biophysical interaction – theoretical models

- Quantum electrodynamics and quantum field theory predict virtual particle/waves ('virtual photons') popping into and out of existence. Quantum 'foam', 'zero point energies' fill spacetime.



Kip Thorne's
picture of
quantum foam

Casimir (1938) predicted virtual photons could be measured. Lamoreaux (1997) precisely measured 'Casimir force', verifying presence of quantum foam.

Quantum domain interaction – “delayed thought” vs perceived photon activity experiment

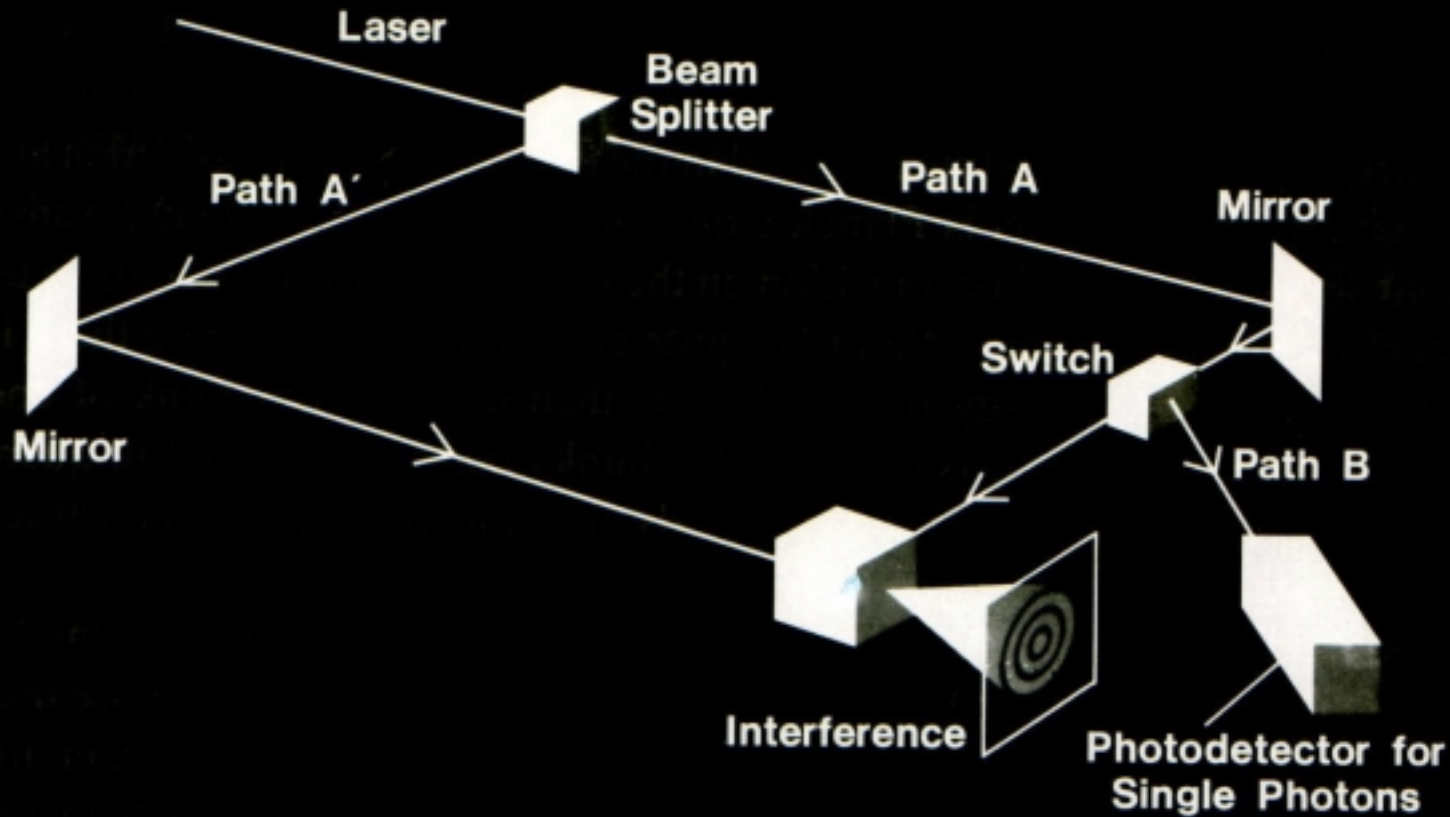
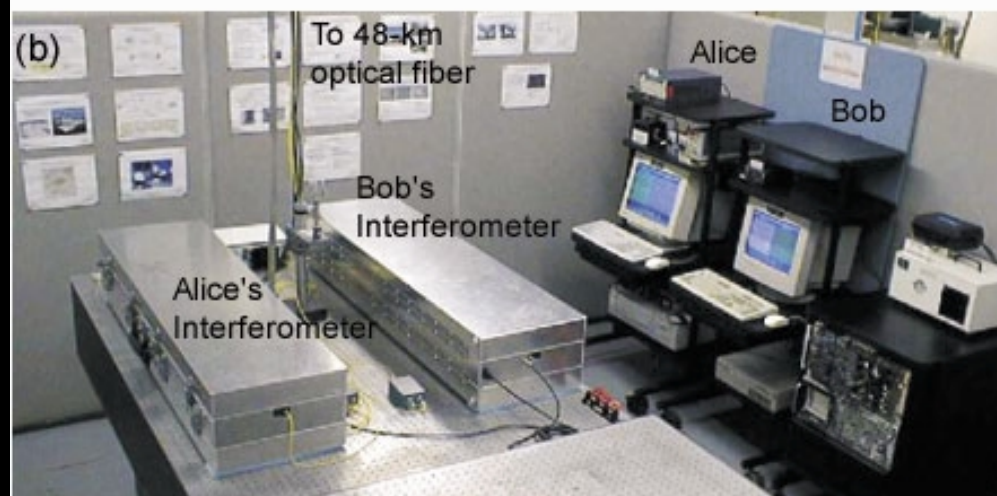
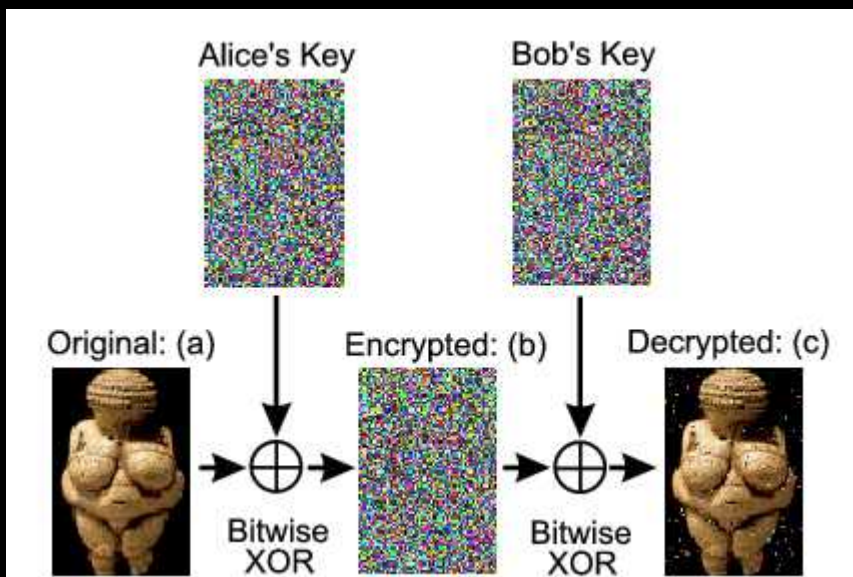
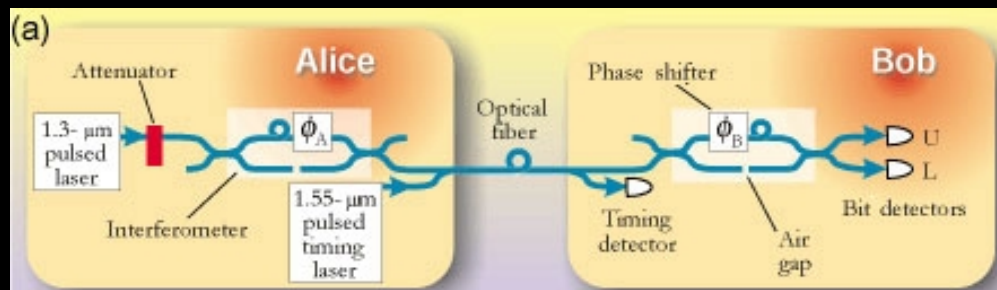


FIGURE 12. A delayed-choice experiment that has been carried out in the laboratory by groups at the University of Maryland and the University of Munich.

Quantum crypto – the next increment of secure system evolution

- All networks are vulnerable

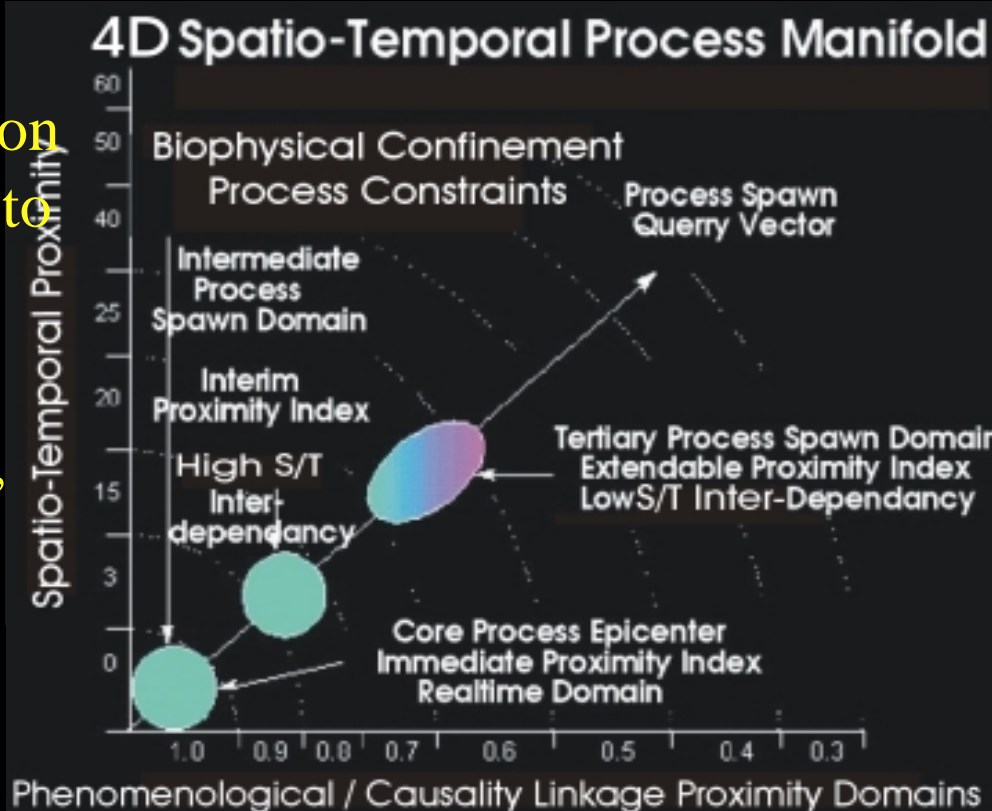
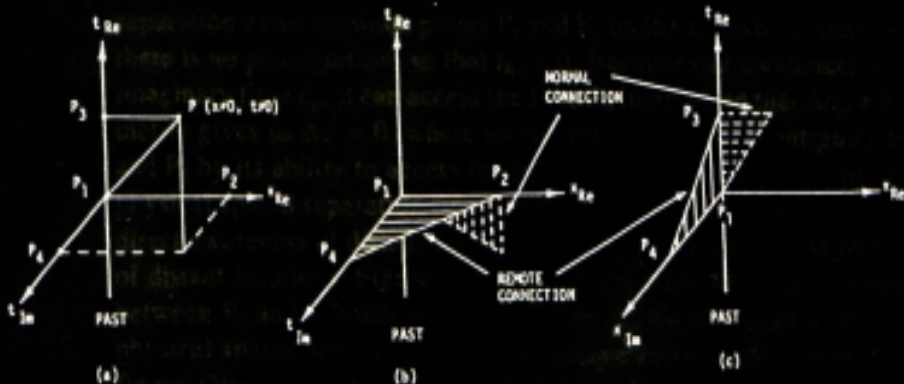


4D Spatio-Temporal Domain of Biophysical Confinement in Localized Phenomenological Causality Linkage vs 8D / ND Quantum Domain non-Locality Space-Time Metric

The Speed of Thought: Investigation of a Complex Space-Time Metric to Describe Psychic Phenomena
Elizabeth Rauscher, Russell Targ

8D "complex Minkowski space"

The Speed of Thought

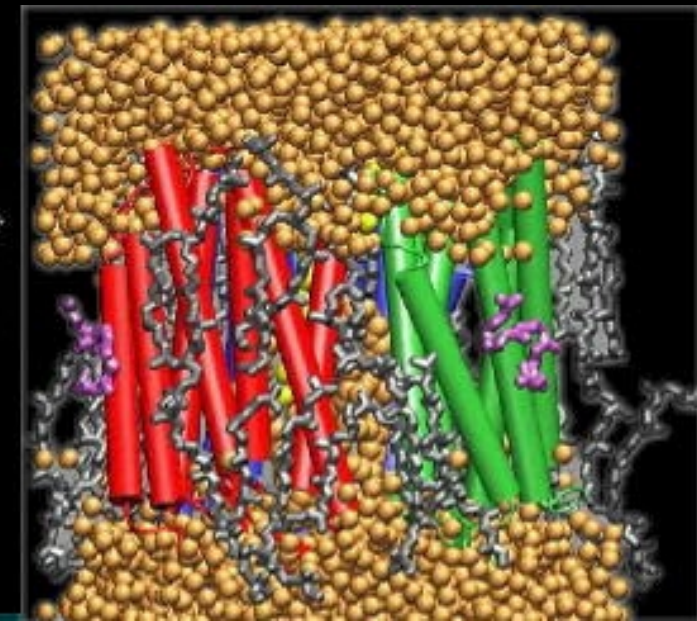
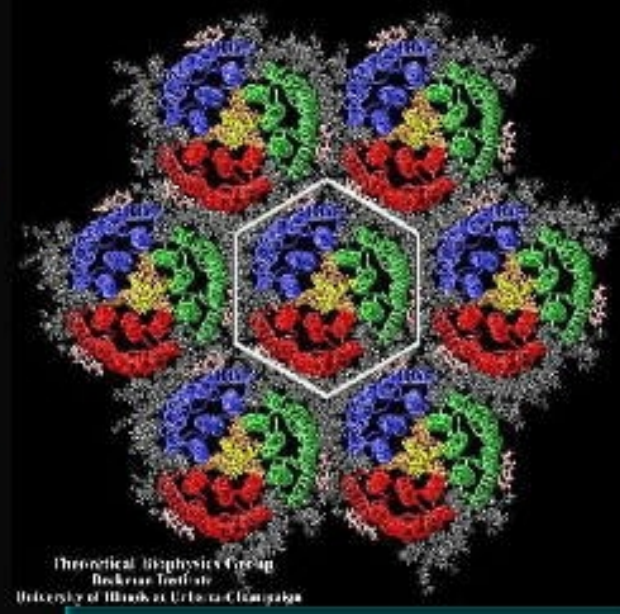
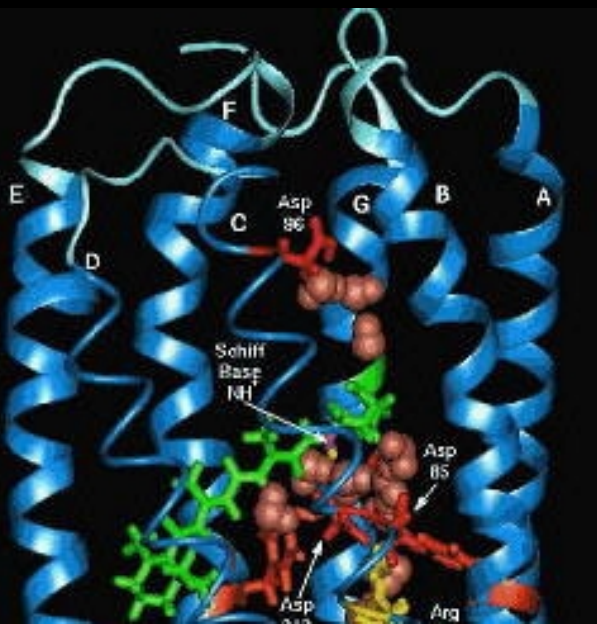


< 8D Precognitive perception domain model

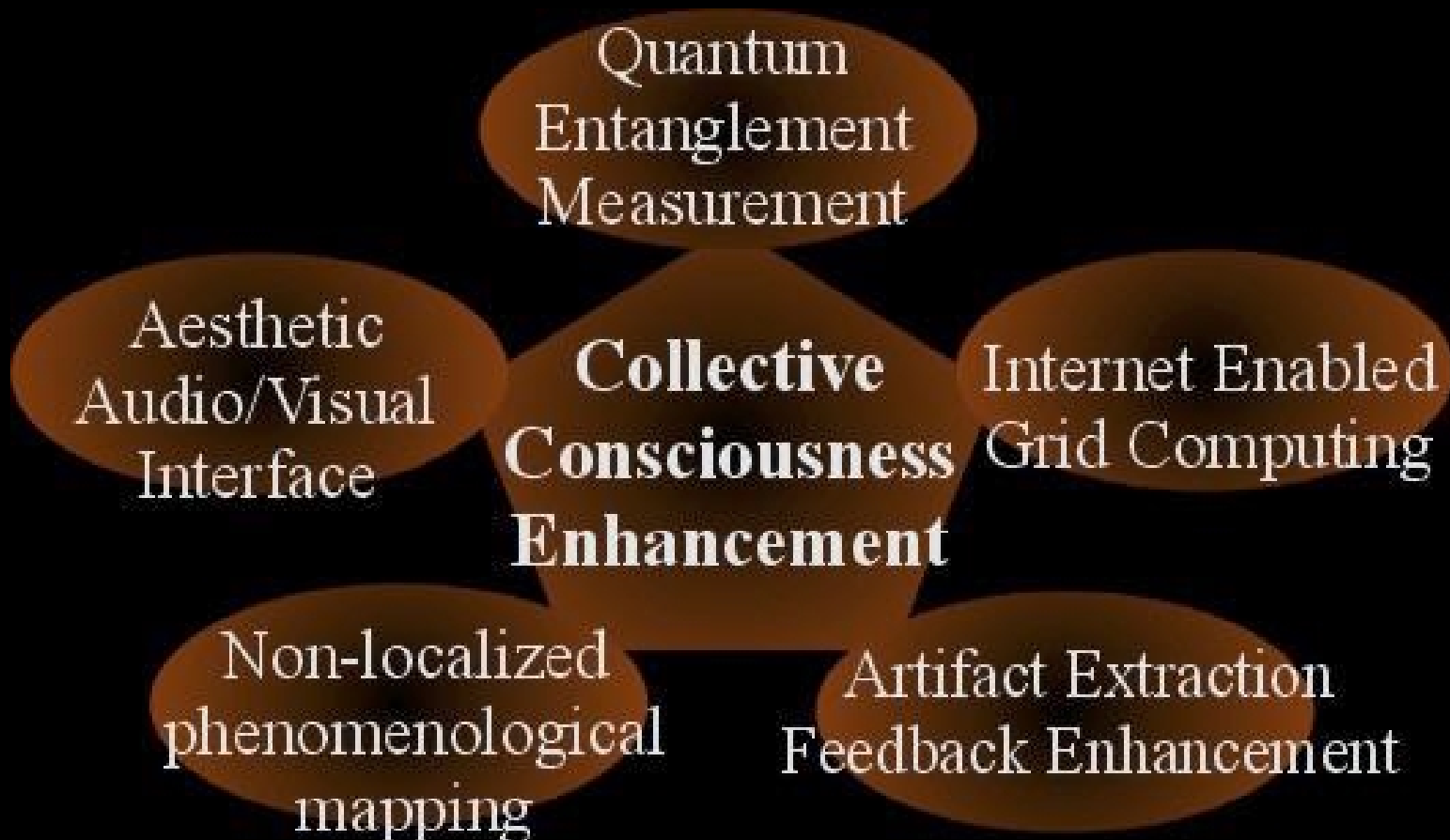
- A – spatio-temporal separation
- B – spatially separated, temporally synchronous
- C – temporally separated, spatially contiguous

Nanostructured biomaterials as a dynamic interface for quantum entanglement interaction

- Rhodopsins, other nanobiological - organic material systems
- Engineered electro-photonic transition properties



Focussed intentionality amplified and tuned as an instrument of influence for “spawning” the history of our future – system architecture overview



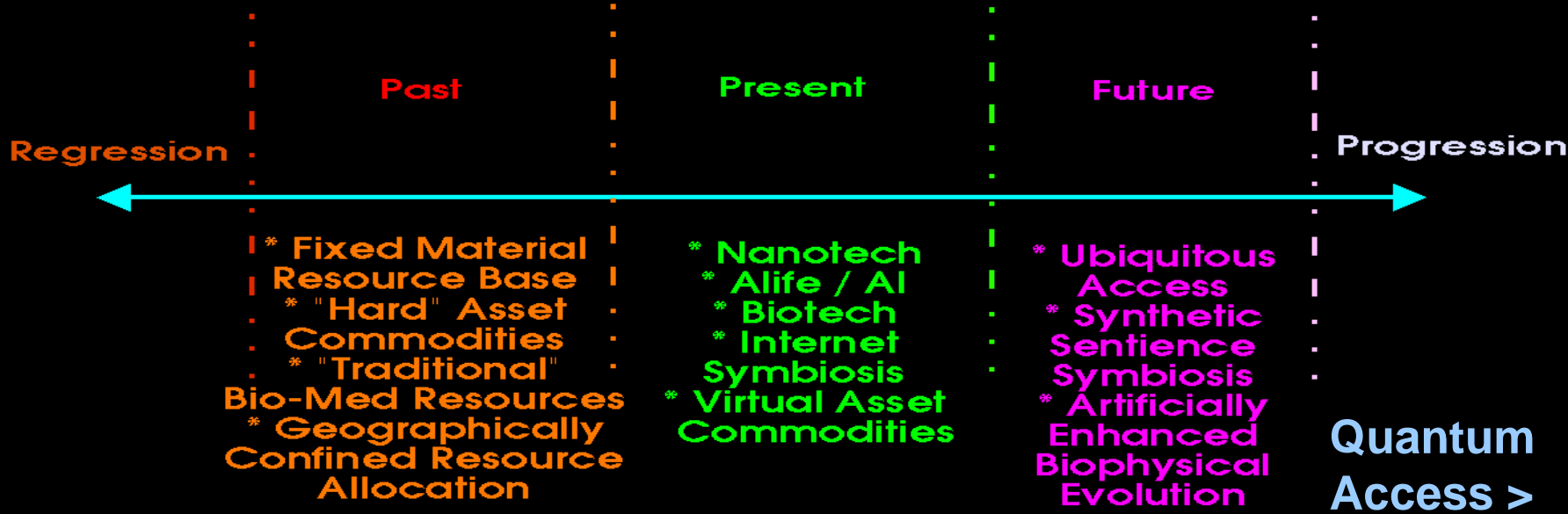
Focussed intentionality amplified and tuned as an instrument of influence for “spawning” the history of our future – system architecture overview

Collective Consciousness Enhancement

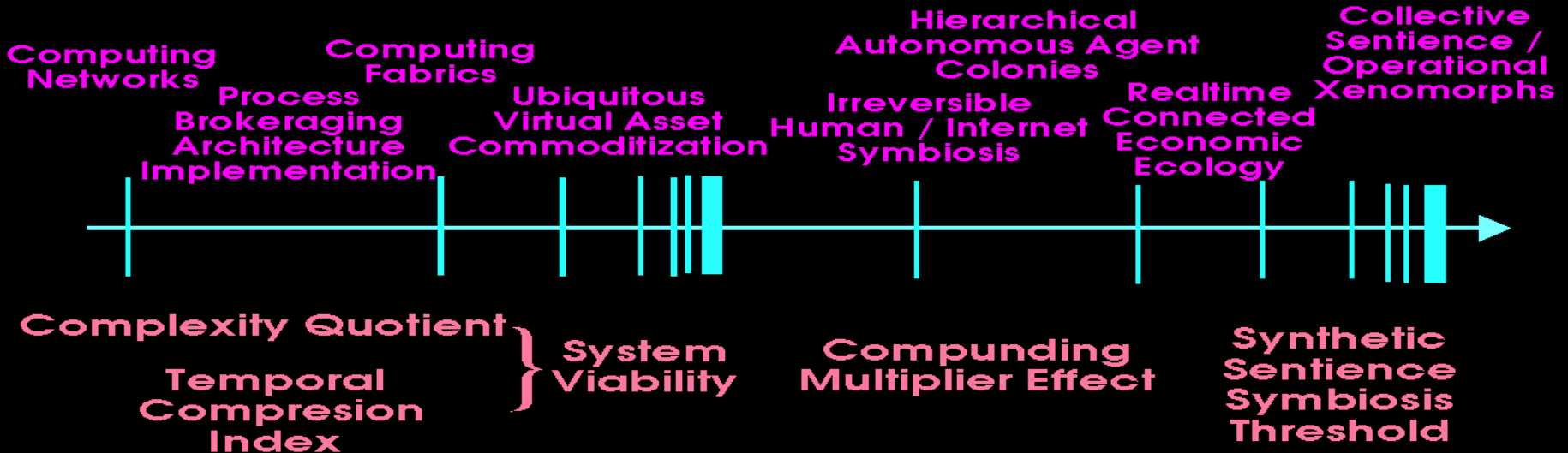
Evolution of the Hybrid Quantum Meta-Organism



Technology Driven Socio-Anthropological Evolutionary Threshold Domains



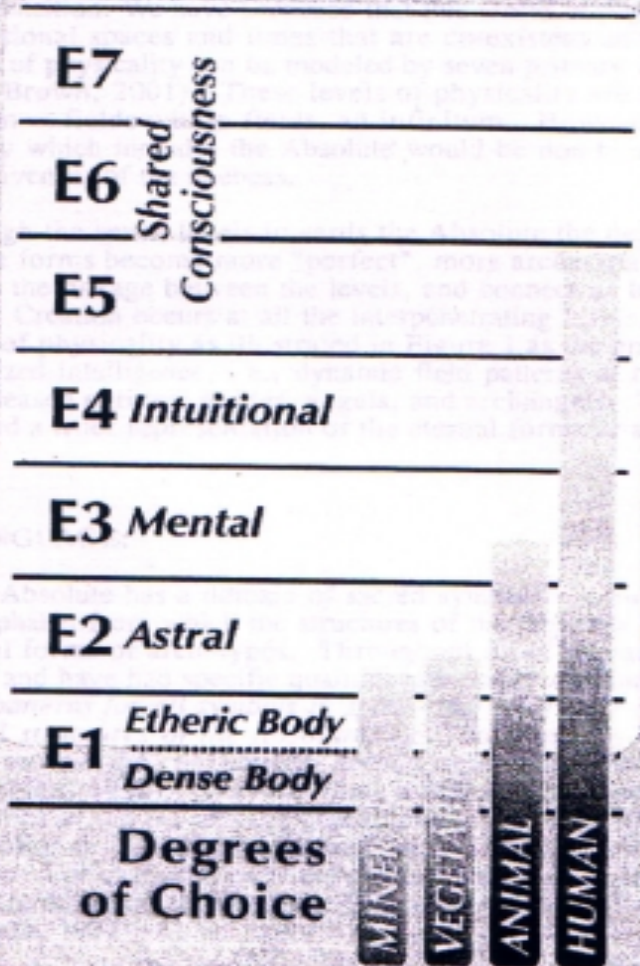
Evolutionary Eventstream Seminal Markers



The Absolute

SPIRIT. . . UNMANIFEST FORMS. . . TAO. . . FIELD OF IDEALS. . .

EMERGENT FORMS



RETURN TO ABSOLUTE

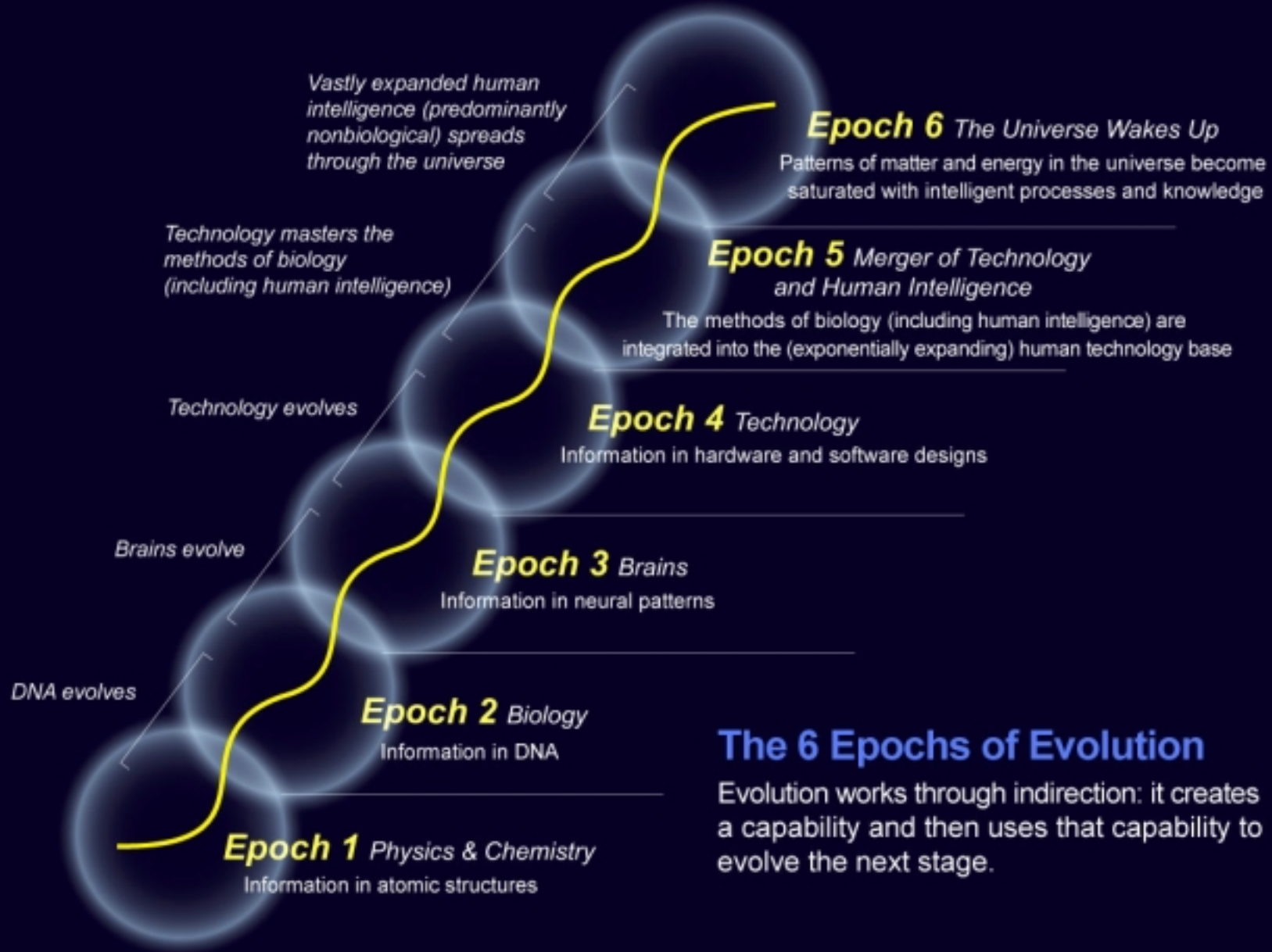
Degrees
of Choice

MINERAL
VEGETABLE
ANIMAL
HUMAN

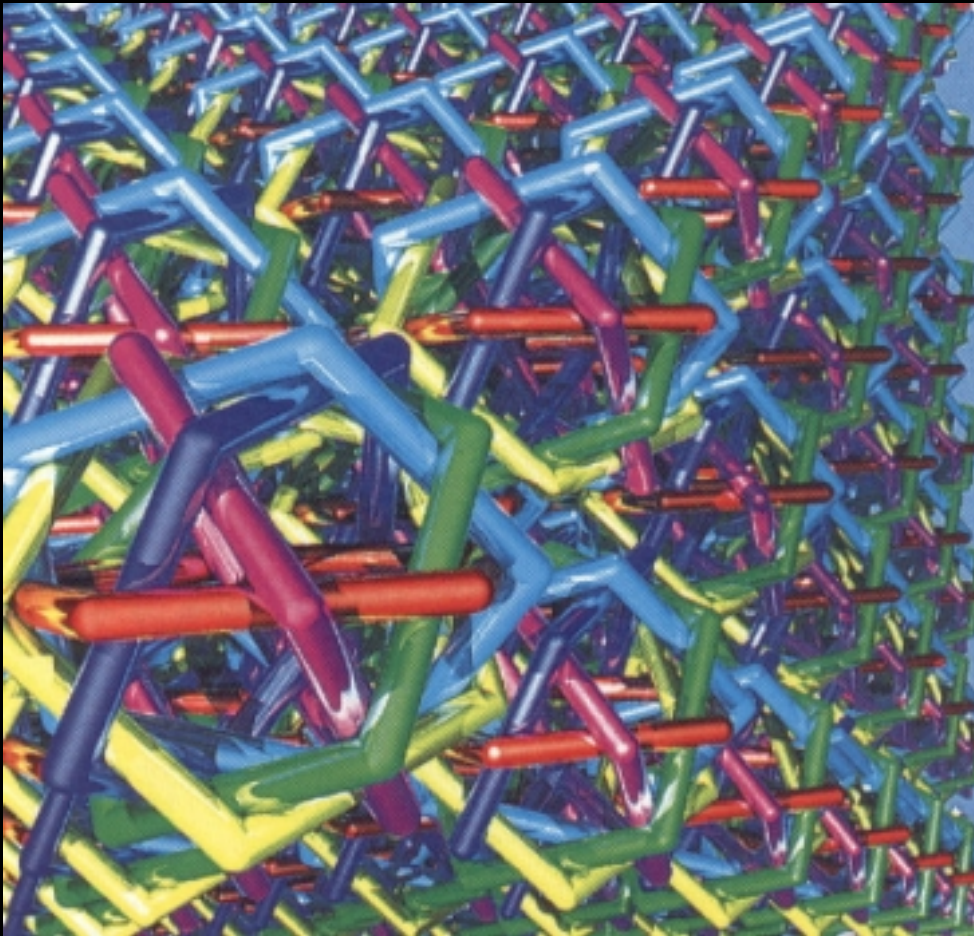
Physicality. . . Space/Time

Excerpted from:
“Domain of Unbounded
Potential – The Science
of the Absolute”

William Gough
Dean Brown



Michio Kaku Civilization Hierarchy



Type 0 fixed localized resources

Type 1 renewable planetary resources

Type 2 invulnerable to planetary phenomena

Type 3 interstellar travel

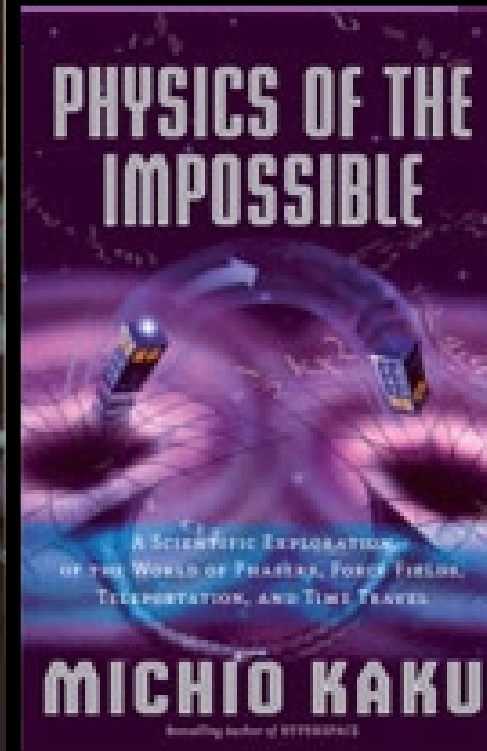
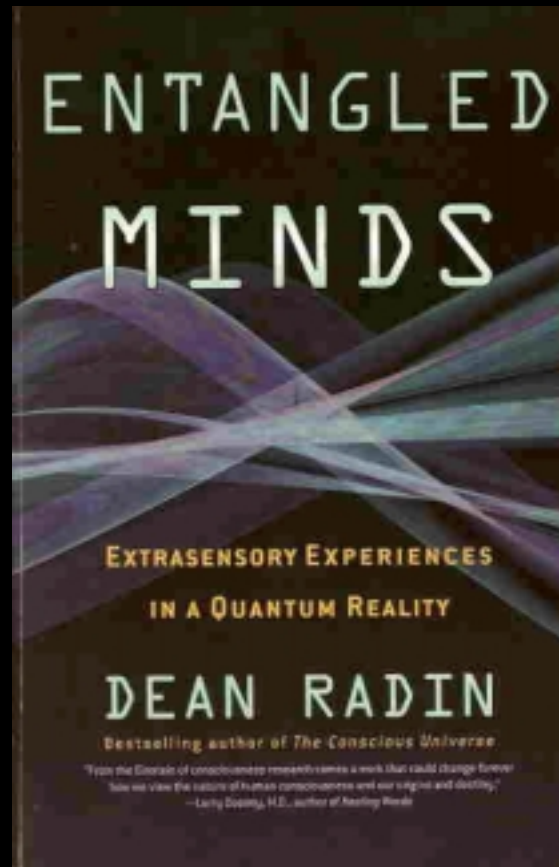
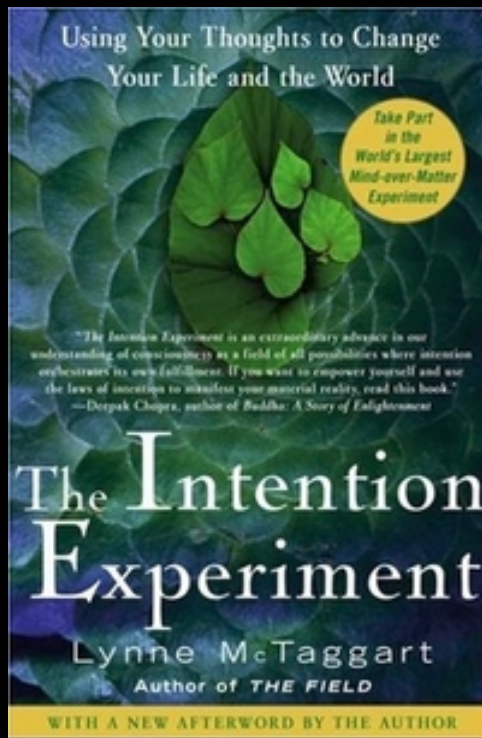
Type 4 wormholes – transdimensional access to multiple universes

We are Biophysical Manifestations of Entities Dwelling within the Ubiquitous “Quantum Jello” Manifold –

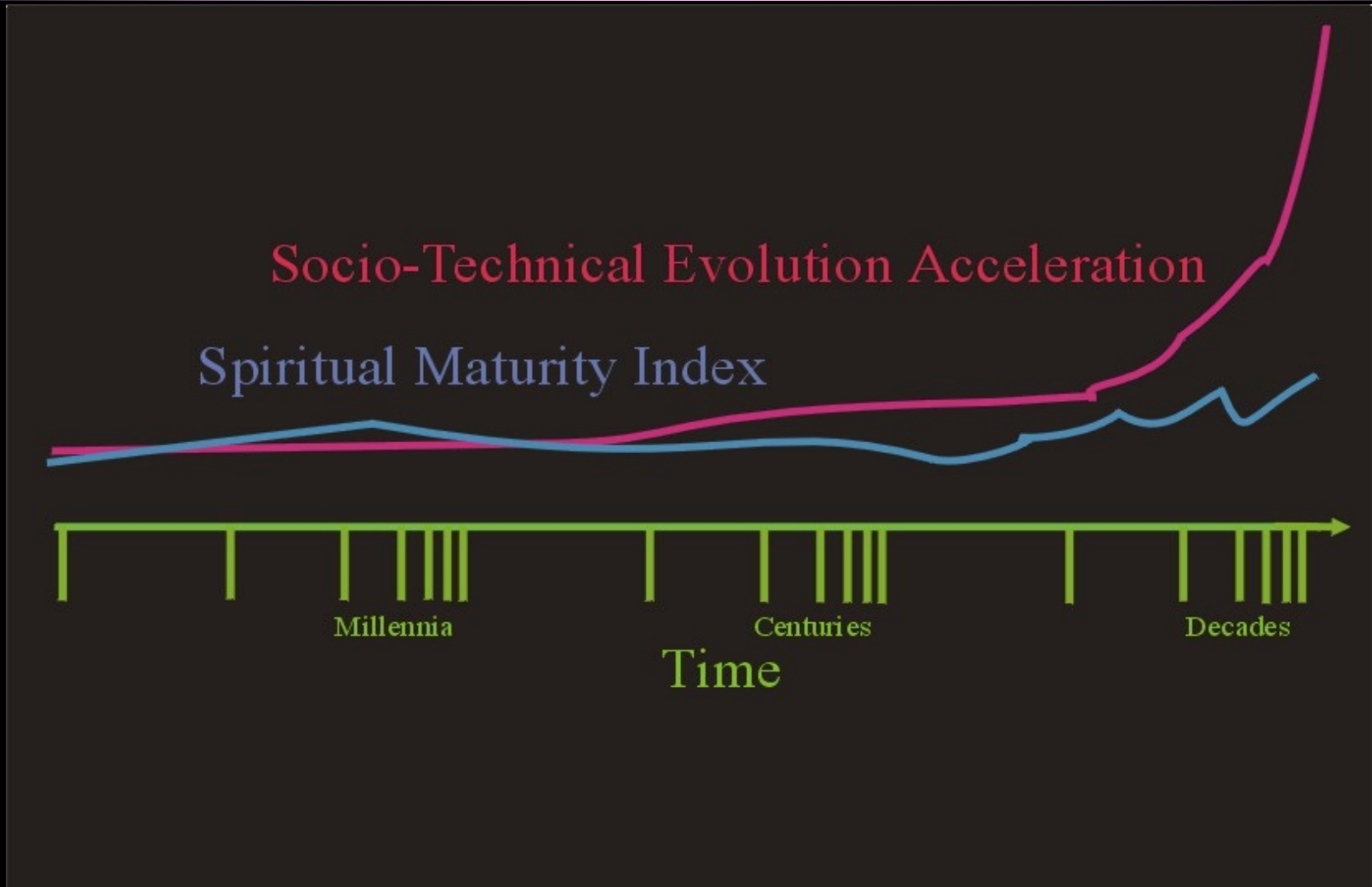
- All Living Things are Interconnected into an non-localized Operational Ecology
- This Planet as a “Living System” is Interconnected into a Cosmological Ecology



Additional recommended reading . . .



Approaching the Evolutionary Eventhorizon Threshold



Evidence of Physical Manifestations of Communication within the Empathic Web

The Message:

- Respect for all Living Things
- Respect for the Planet as a Living Thing
- Respect for the Cosmos as a “Living System”

Biophysics, Quantum Physics & Neuro Aesthetics Research – Applications - Art



Convergence 2008

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www.historianofthefuture.com