

# A “Supra-Spatial-Temporal Universal Consciousness Reality”

**Jehonathan Bentwich\***

Claremont University, Israel

**\*Corresponding author:** Jehonathan Bentwich, Brain Perfection LTD, Jerusalem, Israel, Tel: +972-52-664-6240; E-mail: drbentwich@gmail.com

## Review Article

Volume 1 Special Issue 2

**Received Date:** October 09, 2017

**Published Date:** December 04, 2017

## Abstract

The ‘Computational Unified Field Theory’ (CUFT) was shown capable of resolving the principle theoretical inconsistency between Relativity Theory (RT) and Quantum Mechanics (QM) and received initial empirical support as a satisfactory ‘Theory of Everything’ (TOE); It advances a new ‘A-Causal Computation’ Paradigm for 21<sup>st</sup> Century Theoretical Physics which negates and replaces RT’s and QM’s old “Material-Causal” Paradigm and revises our basic conception of the physical universe – which was not “caused” by the “Big-Bang”, but is rather being re-computed at every minimal time-point “ $C^2/h$ ” through a singular ‘Universal Consciousness Principle’ which simultaneously computes every exhaustive spatial pixel in the universe, thereby creating an extremely rapid series of Universal Simultaneous Computational Frames (USCF’s) comprising the entire physical cosmos as every minimal time-point! Likewise, based on this new ‘A-Causal Computation Paradigm’ negation of the existence of any “material-casual” physical effects was shown to challenge some of the key assumptions of modern Physics such as its negation of “Dark-Matter” and “Dark-Energy” as “superfluous” (non-existent), the Speed of Light Barrier and, even indicated the possibility to “reverse time”! Three new Theoretical Postulates of the CUFT are discovered including: a “Supra-Spatial-Temporal Universal Consciousness Reality” pointing at the existence of a singular unitary Universal Consciousness Reality which exists both “during” its production of each USCF’s frame/s and also solely exists (without the presence of the physical universe) “in-between” any two consecutive USCF’s, and points at its inherent “Dynamic-Equilibrium”, “Inseparability Principle”, and “Evolution of Universal Consciousness Reality ‘s Awareness’(EUCRA) postulate which profoundly change our basic understanding of the physical universe as being inseparable from the singular (active) manifestation of this Universal Consciousness Reality!

**Keywords:** Quantum Mechanics; Unified Field Theory; Dynamic Equilibrium; Superfluous

**Abbreviations:** CUFT: Computational Unified Field Theory; QM: Quantum Mechanics; RT: Relativity Theory; HCESH: Human Consciousness Expansiveness Spectrum Hypothesis; TOE: Theory of Everything; USCF’s: Universal Simultaneous Computational Frames; SROCS: Self-Referential Ontological Computational System; UCP: Universal Computational Principle; IHCESH: Individual Human Consciousness Expansive Spectrum Hypothesis;

UCF: Universal Computational Formula; EUCRA: Evolution of Universal Consciousness Reality ‘s Awareness

## Introduction

### The Current Paradigmatic Shift in Theoretical Physics

Twenty-first Theoretical Physics is undergoing a major

“Paradigmatic Shift”, i.e., from the current Quantum Mechanics (QM) Born [1], Giacosa [2], Heisenberg [3] and Relativity Theory (RT) “Material-Causal” Paradigm to the ‘Computational Unified Field Theory’s’ (CUFT) new “A-Causal Computation” Paradigm, which has received initial empirical validation Bernauer & Pohl [4], and is deemed a satisfactory “Theory of Everything” (TOE) Brumfiel [5], Ellis [6], Greene [7]. The significance of this Paradigmatic Shift in Physics is that whereas the current ‘Material-Causal’ Paradigm assumes that the physical reality can be explained solely through a finite series of physical interactions between any given subatomic ‘probe’ and ‘target’ elements or between any given relativistic ‘observer’ and corresponding ‘(space-time or energy-mass) ‘phenomenon’, the new ‘A-Causal Computation’ Paradigm negates this possibility due to its discovery of a singular (higher-ordered) ‘Universal Computational/Consciousness Principle’ which computes simultaneously every exhaustive spatial pixel/s in the physical universe, thereby precluding the possibility of the existence of any such “material-causal” relationships all throughout the physical universe!

Indeed this Universal Computational/Consciousness Principle profoundly alters our basic conception of the physical cosmos – both at the quantum and relativistic levels: In the quantum level, this new UCP’s ‘A-Causal Computation’ Paradigm revises QM (currently assumed) “probabilistic interpretation”, wherein it is assumed that it is the direct physical interaction between a given subatomic ‘probe’ element and the (subatomic) target’s “un-collapsed” ‘probability wave function’ which “collapses” this ‘probability wave function’ into a single ‘complimentary’ (space-energy, temporal-mass) target’s measured value; Due to the (above mentioned) UCP’s assertion of the impossibility of the existence of any such ‘material-causal’ physical interactions between the subatomic ‘probe’ and ‘target’ elements, the new UCP’s A-Causal Computation Paradigm asserts that both (all exhaustive hypothetical) subatomic ‘probe’ and ‘target’ elements and all relativistic ‘observer’ and (space-time or energy-mass) ‘phenomenon’ are computed simultaneously by the UCP – at every minimal time-point “ $c^2/h = 1.56 \cdot 10^{-42}$ ”, e.g., giving rise to a series of Universal Simultaneous Computational Frames (USCF’s) comprising the entire physical universe at every such minimal time-point.

According to this “new picture” of the entire physical universe, there doesn’t exist any subatomic “target’s probability wave function” which “collapses” due to its direct physical interaction with the subatomic “probe” element – rather both the “single spatial-temporal” probe

“particle” as well as the “multi spatial-temporal wave” (target) measurement are embedded within the UCP’s exhaustive computation of all spatial-temporal pixels in the physical universe at any minimal time-point comprising any single or multiple USCF’s frames (e.g., which are computed simultaneously by the UCP).

This basic ‘A-Causal Computation’ revision of Quantum Mechanics implies a few far reaching theoretical implications, including the resolution of QM’s “particle-wave duality” (e.g., by viewing them as “single-” vs. “multiple-” spatial-temporal measurements embedded within the UCP’s exhaustive simultaneous computation of all spatial pixels comprising the physical universe at any minimal time-point USCF/s frame/s); discarding the “probabilistic interpretation” of QM – by replacing its currently assumed subatomic target’s “probability wave function” (and its direct physical interaction with the subatomic probe which is assumed to “cause” the “collapse” of this ‘probability wave function’) with the UCP’s singular higher-ordered simultaneous computation of all exhaustive subatomic ‘probe’ and ‘target’ hypothetical pairs (at any minimal time-point USCF’s frame/s)!

Another theoretical repercussion of this UCP’s A-Causal Computation new Paradigm (which replaces QM’s current ‘probabilistic interpretation’) is its fundamental revision of Heisenberg’s “Uncertainty Principle” – once again, from its currently assumed “material-causal” rationale, i.e., wherein the “simultaneous accuracy measurement constraint” imposed by Heisenberg’s Uncertainty Principle imposed on the (spatial-energetic or temporal-mass) complimentary values is assumed to arise from the direct physical interaction between the subatomic ‘probe’ and ‘target’ elements – to a mere complimentary-exhaustive computational facets of the singular Universal Computational/Consciousness Principle’s three Computational Dimensions! As delineated previously Bentwich [8-27] the UCP’s singular computation of all exhaustive spatial pixels in the physical universe (e.g., simultaneously at every minimal time-point) based on its three Computational Dimensions (e.g., of ‘Framework’, ‘Consistency’ and ‘Locus’) inevitable produces an “exhaustive complimentary” computational relationship between the two complimentary computational measures of any spatial pixel’s associated “spatial” and “energetic”, or “mass” and “temporal” values – since these represent complimentary exhaustive measures of that spatial pixel’s (‘object’ or ‘phenomenon’) “Frame” – ‘consistent’ (space) and ‘inconsistent’ (energy) values or “Object”- ‘consistent’ (mass) and ‘inconsistent’ (energy) values!

Similarly, the UCP's A-Causal Computation revises some of the most basic "material-causal" assumptions underlying Relativity Theory; Thus, for instance, General Relativity Theory advocates that there exist "material-causal" relationships between "massive objects" - as "causing" the "curvature of 'space-time'", and vice versa this 'curvature of space-time' "causes" the "movement pathways of these massive objects", as represented by the famous 'Einstein's Equations'. But, since the UCP's simultaneous 'A-Causal Computation' of all exhaustive spatial pixels in the physical universe (at any minimal time-point  $c^2/h = 1/56^{42}$  comprising the extremely rapid series of USCF's) negates the possibility of the existence of any such "material-causal" physical relationships between any two (or more) spatial pixels (e.g., and their four associated physical features of 'space', 'time', 'energy' and 'mass' - either occupying the same USCF frame or even across separate USCF's frames), then this new (CUFT's) UCP A-Causal Computation Paradigm was shown to revise Relativity's basic (above mentioned) "material-causal" assumption; Hence, the "mechanics" and the physical universe, e.g., its curved 'space-time' as well as the 'travelling pathways of massive objects' are all singularly (and solely) determined by the UCP's simultaneous computation of all exhaustive spatial pixels in the universe (at any minimal time-point USCF's frame/s)!

Indeed, this entirely new conception of the origination-existence- sustenance- and evolution- of the physical universe as solely being computed by the Universal Computation/Consciousness Principle has led to a complete revision of some of Relativity's basic tenets including: the 'Big-Bang' Theory, the possibility of "reversing time" and of "transcending the speed of light barrier" for the transmission of any physical signals across space and time. Succinctly stated, the Big-Bang Theory was challenged by the CUFT's 'A-Causal Computation' based on its abovementioned negation of any "material-causal" physical relationship/s between any (two or more) spatial pixels in the universe (e.g., existing either in the same USCF frame or across different USCF's frames). Therefore the CUFT's UCP A-Causal Computation negation of any such 'material-causal' physical relationships was shown to negate Relativity's associated Big-Bang Theory which assumes that the origin of the entire physical universe (e.g., including the creation of all of the "mass", "energy" and even "space" was) "caused" by an initial 'Big-Bang' mega "nuclear-explosion"!

This is simply because all of the spatial pixels in the first (hypothetical) USCF frame depicting the 'Big-Bang' nuclear explosion were computed simultaneously by the

UCP, thereby precluding the possibility of any such "material-casual" physical interaction/s between such a mega 'nuclear explosion' and the production of any "mass", "energy" or "space" - i.e., either in that first USCF frame, or indeed in any subsequent USCF's frame! The alternative new theoretical account for the origination- and indeed for the existence- sustenance- and evolution- of our entire physical universe is based on the singularity of the Universal Computational/Consciousness Principle (UCP) which computes at every such minimal time-point ( $c^2/h = 1/56^{42}$ ) the entire physical universe comprised of all of its exhaustive spatial pixels constituting any single or multiple USCF's frame/s.

Indeed, a useful "Cinematic Film-Metaphor" has been given which delineates (to a certain extent) some of the key features of the CUFT's UCP computation of all spatial pixels in the universe, including this UCP's (above mentioned) three "Computational Dimensions" (e.g., 'Framework, "Consistency" and 'Locus'): In the same manner that one cannot claim that the "first frame" in a film "causes" the "second" or "third" frame/s etc. to appear or that there exists any "material-causal" physical relationship/s between any of the spatial pixels in any single or multiple film-frames (e.g., since all of the spatial pixels in any of these film frames are presented "simultaneously"! ) - so it was suggested that the UCP's simultaneous computation of all exhaustive spatial pixels in the entire physical universe for any given (single) USCF frame precludes the possibility of any such 'Big-Bang' "material-causal" physical relationship/s existing either at the "first" 'Big-Bang' nuclear explosion frame, or indeed across any subsequent USCF's frames! The utilization of this 'Cinematic Film Metaphor' was also found helpful in hinting at the new possibility afforded through the discovery of this UCP 'A-Causal Computation' to "electromagnetic values in such a manner that would produce a "reversed-sequence" of that object's (such as an ameba's) spatial-electromagnetic values across the given series of USCF's frames, which would de facto "reverse time" for that object (e.g., ameba)!

Indeed, another possible means for "reversing time" was stipulated based upon three additional CUFT's theoretical postulates named: the "Computational Invariance Principle", "Ontological Relativism" and "Individual Consciousness Spectrum Expansive Hypothesis"(ICSEH), and ; In a nutshell, the 'Computational Invariance Principle' evinces that since only the 'Universal Computational/Consciousness Principle' may be regarded as "computationally invariant", i.e., exists continuously and permanently both "during" each of the USCF's frames as solely computing the four

physical features (of 'space', 'time', 'energy' and 'mass') and also solely exists (without those four physical features of the entire physical universe) "in-between" the USCF's frames, whereas those four physical features are regarded as "computationally variant", i.e., exist only "transiently" and "phenomenally" "during" the USCF's frames but not "in-between" them! Therefore, the 'Computational Invariance Principle' advocates that only the 'computationally variant' Universal Consciousness Principle may be regarded as "permanent" whereas these four physical features of the physical universe (being continuously computed by this Universal Consciousness Principle "during" every USCF's frame but ceasing to exist "in-between" any two subsequent USCF's frames) must be seen as existing merely "transiently" and "phenomenally" – as a manifestation of the singularity of the Universal Consciousness Principle; (This latter theoretical conclusion wherein the entire physical universe does not exist "objectively", i.e., as an "independent" physical reality – but only as a manifestation of the singular reality of the Universal Consciousness Principle was later termed as the "Universal Consciousness Reality", which will be discussed in greater details later in this article/)

Subsequently, the 'Ontological Relativism' theoretical postulate reasoned that since the physical universe exists only "transiently" and "phenomenally" (e.g., 'computationally variant') as a manifestation of this Universal Consciousness Principle, and since our sole knowledge of this Universal Consciousness Principle is derived through our three states of "Individual Human Consciousness", e.g., "waking", "dream" and "deep-sleep", then these three states of Individual Human Consciousness possess an "equivalent ontological validity", i.e., rather than the currently assumed "superiority" of the 'waking' state's ontological validity over the two other states. Finally, the 'Individual Consciousness Expansive Spectrum Hypothesis'(ICESH) theoretical postulate asserted that since in the "deep-sleep" state of Individual Consciousness there does not exist any differentiation between the Universal Consciousness Principle and the Individual Human Consciousness, i.e., there exists only the Universal Consciousness Principle; and based on the above mentioned 'Ontological Relativism' postulate indicating the equivalence of these three states of Individual Human Consciousness, then the ICESH postulate hypothesizes that there exists the potential for Individual Human Consciousness to "expand" – also in the 'waking' state of Individual Human Consciousness to include all of the spatial-pixels produced- sustained- and evolved- by the Universal Consciousness Principle (e.g., based on their

identity in the 'deep-sleep' state of Individual Consciousness).

This latter ICSEH theoretical postulate indicated the (other) possibility of "reversing time" as well as the possibility of such an "expanded" Individual Consciousness to transcend the "Speed of Light Barrier"! This was simply derived from the ICESH postulate that it should be possible for an "expanded" Individual Human Consciousness to function in a manner equivalent to that of the Universal Consciousness Principle (based on the ICSEH's assertion of their identity in the 'waking' state of Individual Consciousness) – thereby allowing such an "expanded" Individual Consciousness to produce- "dissolve"- sustain evolve- or otherwise affect- any exhaustive spatial pixel in the physical universe (just as the Universal Consciousness Principle does)!

Therefore, it was reasoned that it should be possible for this 'expanded' Individual Consciousness to modulate the comprising spatial pixels' electromagnetic value/s of any given object (such as the abovementioned 'ameba') such that it would re-produce that object's spatial pixels' electromagnetic values in their "reversed sequential order" (across a given series of USCF's frames), thereby "reversing time" for that object (e.g., ameba – identical to the abovementioned production of the object's spatial pixels' electromagnetic values in the reversed USCF's order through the precise recording- and then application of particular electromagnetic stimulation which would produce such a reversed spatial pixels' electromagnetic values.) Similarly, it was shown that since the Universal Consciousness Principle produces- sustains- (dissolves-) re-produces- and evolves- the entire physical universe at the incredible rate of  $c^2/h = 1/56^{42}$  through its extremely rapid computation of the series of USCF's frames (comprising all exhaustive spatial pixels in the physical universe at any minimal time-point USCF's frame/s) therefore based on the ICSEH's "expanded" Individual Consciousness (which possesses identical functional capacities as the Universal Consciousness Principle) – it should be possible for such an 'expanded' Individual Consciousness to produce- sustain- or affect changes in any exhaustive spatial pixel in the physical universe! This would imply that such an 'expanded' Individual Consciousness could produce instantaneously any spatial pixel in the physical universe or affect changes in it – at any minimal time point single USCF's, or modulate any exhaustive spatial pixel in the physical universe at a continuous rate of  $c^2/h = 1/56^{42}$  for a series of USCF's frames – thereby transcending Relativity's currently assumed 'Speed of Light Barrier' for transference of any physical signal or effect.

## The Universal Consciousness Principle's New Picture of the Physical Universe

Hence, it becomes apparent that the discovery of the CUFT's new 'A-Causal Computation' Paradigm of Theoretical Physics not only revises both Relativity's and Quantum Mechanics' models of the physical universe, but also provides us with an entirely new conception of it; But, before presenting this CUFT Universal Consciousness Principle's new "picture" of the physical cosmos, it is important to note that this more exhaustive portrayal of the physical universe (e.g., and its transcendence by the 'Universal Consciousness Reality') – does not "negate" the current Relativistic and Quantum conceptions of the physical reality, but rather includes- embeds- and transcends them as integral parts of the UCP's sole and continuous production- sustenance- and evolution- of the entire physical universe (e.g., at the incredible rate of  $c^2/h = 1/56^{42}$ ). It was thus shown previously that the CUFT replicates all major Quantum and Relativistic findings, yet embeds- and transcends- them within the scope of the CUFT's newly discovered Universal Computational Formula: Interestingly, this integral embedding of both Quantum and Relativistic Models within the singularity of the UCP's Universal Computational Formula precisely fulfills Einstein's "prophetic" statement that: "no better destiny can be allotted to any physical theory than that it should become a 'special case' in a broader generalization".

$$\left\{ \frac{c^2}{h} \right\} = \frac{s}{t} \times \frac{e}{m}$$

$$\text{Relativistic Format: } e \times \frac{s}{t} = m \times \frac{c^2}{h}$$

$$\text{Quantum Format: } t m \frac{c^2}{h} = s e$$

Indeed, as delineated previously, this Universal Computational Formula not only replicates- and embeds- key features of both Quantum and Relativistic Models (e.g., as seen in its two equivalent "Quantum Format" and "Relativistic Format" of this Universal Computational Formula's) but also fully integrates these (apparently distinct) key quantum and relativistic features within the singularity of the UCP's Universal Computational Formula's description of its computation of the four basic physical features of 'space', 'time', 'energy' and 'mass'! Thus, as shown previously, the Quantum Format of the Universal Computational Formula (UCF) indicates an embedding of the quantum complimentary physical

features of 'space' and 'energy' or 'mass' and 'time' as part of the Universal Computational Formula. Quantum Format; Likewise, the Relativistic Format of this Universal Computational Formula embeds Einstein's famous "Energy-Mass Equivalence" ( $E = Mc^2$ ) as part of a broader integration of quantum and relativistic elements within the singularity of the Universal Computational Formula! Indeed, as called for previously, efforts should be made to further elucidate the Mathematical and Physical underpinnings of the "special cases" of the currently known (abovementioned and previously delineated) quantum and relativistic relationships, e.g., such as the 'Uncertainty Principle's complimentary pairs and Relativity's Energy-Mass Equivalence – and their embedding within the broader generalization of the Universal Computational Formula (which completely integrates these "special" quantum and relativistic cases within a broader fully integrated description of the UCP's rapid computation of all exhaustive spatial pixels in the physical universe at every minimal time-point).

The first major contribution of this new CUFT's 'A-Causal Computation' Paradigm's conception of the physical universe stems from its complete integration of the four physical features of 'space', 'time', 'energy' and 'mass' -as different computational combinations of two (of the three) UCP's Computational Dimensions, i.e., 'Framework' ('frame' vs. 'object') and 'Consistency' ('consistent' vs. 'inconsistent'): As delineated previously, 'space' and 'energy' represent the 'frame' level's – 'consistent' vs. 'inconsistent' computational measures of the UCP, whereas 'mass' and 'time' represent the 'object' level's – 'consistent' vs. 'inconsistent' UCP's computational measure! Hence, the CUFT's discovery of the Universal Computational Formula fully integrates these apparently "distinct" four basic physical features of the physical universe as complimentary and integrative aspects of the singular UCP's computation of any exhaustive spatial pixel in the entire physical universe!

This full integration of the four physical features as secondary (complimentary-integral) computational by-products of the singular UCP's computation- "dissolution"- sustenance- and evolution- of each exhaustive spatial pixel in the physical universe comprising any single or multiple USCF's frame/s therefore advances Theoretical Physics a significant stride forward towards a complete synthesis of these four fundamental physical features as integral aspects of the UCP's singular production- sustenance- and evolution- of the universe. Indeed, whereas Relativity Theory managed to integrate space-time and energy-mass, and its description of the curvature of space-time by mass, the

CUFT's discovery of the UCP's singular Universal Computational Formula's full integration of these four basic physical features as integral aspects of the UCP's sole production- sustenance- and evolution- of the entire physical universe at every minimal time point/s USCF's frames presents an exhaustive new picture of the physical universe as merely a by-product of the singular reality of the UCP!

On a cosmic level, this new revelation of the UCP as solely computing- dissolving- sustaining- and evolving- the four basic physical features of every exhaustive spatial pixel in the physical universe at every minimal time-point has led to a fundamental revision of our "picture" of the physical universe: As stated above (and previously), this new UCP A-Causal Computation Paradigm challenges the "Big-Bang Theory" due to the fact that the UCP computes at every such minimal time-point all exhaustive spatial pixels in the universe (comprising the extremely rapid series of USCF's:  $c^2/h = 1.56^{42}$ !), thereby precluding the possibility of any such 'Big-Bang' "material-causal" physical interactions "causing" the origin of the physical universe (or indeed its subsequently assumed expansion!);

Instead, the CUFT asserts the singular origination- sustenance- dissolution- and evolution- of any exhaustive spatial pixel/s in the physical universe – i.e., either at its first USCF frame's 'Big-Bang' nuclear explosion, or indeed at any subsequent USCF/s frame/s, e.g., including the "present" USCF's frames as solely being continuously produced by the UCP! So the sole "cause" for the origination- existence- and evolution- of the entire physical universe is the singularity of the UCP.

Therefore, this new UCP picture of the universe negates the existence of "Dark Matter" and "Dark Energy" as the "causes" for the accelerated expansion of the physical universe – once again pointing at the UCP's accelerated increasing of the number of spatial pixels to each subsequent USCF frame (e.g., deeming these purely "hypothetical concepts" of 'Dark-Matter' and 'Dark-Energy' as "superfluous", i.e., "non-existent"! Surprisingly, this new UCP 'picture' of the physical universe also revises in a fundamental manner some of the basic constraints imposed on the physical reality by Relativity's and Quantum's current theoretical models: As mentioned above, it allows for "time-reversal", "transcending of the Speed of Light Barrier", and consequently also calls for a revision of the "Second Law of Thermodynamics"- i.e., suggested by the fact that the ICSEH's "expanded" Individual Consciousness can re-produce any physical phenomenon including any physical system's increase in

the level of entropy in the reversed spatial-pixels' electromagnetic values sequential order thereby de facto decreasing the levels of entropy in that given system!

Indeed, at the center of the major Paradigmatic Shift portrayed by the CUFT's 'A-Causal Computation' Paradigm description of the physical reality – is its growing emphasis of the singularity of the Universal Consciousness Principle – and indeed the potential for an "expanded" Individual Consciousness to function in an identical manner to this UCP – as the sole "cause" for the continuous production- dissolution- sustenance- and evolution- of the entire physical universe (at any minimal time-point USCF's frame/s); Perhaps the most striking example of this singularity of the UCP as the sole "cause" for the production- dissolution- and evolution of any exhaustive spatial pixel in the entire physical universe (at any minimal time point USCF's frame/s) is the ICSEH's challenging of the basic "Laws of Conservation", i.e., as manifesting through Einstein's famous "E=Mc<sup>2</sup>" energy-mass equivalence; It was previously shown that based on this ICSEH postulate wherein it may be possible for an "expanded" Individual Human Consciousness to produce- "dissolve"- or evolve- any exhaustive spatial pixel in the universe (e.g., in the same manner that the Universal Consciousness Principle does).

Therefore, it should be possible for such 'expanded' Individual Human Consciousness to "materialize" or "de-materialize" (e.g., "dissolve") any spatial pixel comprising a given object, particle (or physical phenomenon) – thereby challenging the basic "Laws of Conservation" wherein a given (massive) object could be "annihilated" through such "de-materialization" by such an 'expanded' Individual Human Consciousness without it being transformed into energy!? As elucidated previously, this "striking" potential capacity to mold and modulate the physical reality by an 'expanded' Individual Human Consciousness – in fact merely replicates the constant and continuous functioning of the Universal Consciousness Principle which is the sole "cause" for the production- "dissolution"- sustenance- and evolution- of the entire physical universe, and as such challenges and revises 21<sup>st</sup> century Theoretical Physics (implicit) "material-causal" assumption which assumes that the physical reality exists "objectively" and "independently", and is known to us through certain physical measurements of a subatomic 'probe' or relativistic 'observer' (which affect that measurement results): Indeed, the CUFT's emerging new 'A-Causal Computation' Paradigm evinces that this entire physical universe does not exist as an "independent", "objective" reality – but instead exists solely as a manifestation of the singular Universal Consciousness

Principle, e.g., which is termed: the “Universal Consciousness Reality”!

### The “Supra- Spatial-Temporal Universal Dynamic-Equilibrium Consciousness Reality”

Indeed, the most recent discovery made by the CUFT is the existence of the ‘Universal Consciousness Reality’ which describes the inevitable theoretical conclusion derived from the ‘Computational Invariance Principle’ and ‘Universal Consciousness Principle’, i.e., wherein the singular (‘computationally invariant’) reality that exists – both “during” the USCF’s frame/s (e.g., solely giving rise to the entire physical universe comprised of the four basic physical features of ‘space’, ‘time’, ‘energy’ and ‘mass’ computed by the UCP at each exhaustive spatial pixel in the universe in every minimal time-point ( $c^2/h = 1.56^{42}$ ) as well as “in-between” any two subsequent USCF’s frames is the Universal Consciousness Principle; And therefore, that the entire physical universe (e.g., comprised of these four basic physical features computed at every exhaustive spatial pixel comprising any single or multiple USCF’s frame/s) – which exists only “during” these USCF’s frames as solely produced by the UCP, but which ceases to exist “in-between” the USCF’s frames may only be regarded as a “transient”, “phenomenal” appearance of the singularity of the Universal Consciousness Principle: Hence, the existence of the “Universal Consciousness Reality” asserts the realization that there truly exists only one constant ‘Universal Consciousness Reality’ – which solely exists without the physical universe “in-between” USCF’s frames and solely produces the entirety of the physical universe at each USCF’s frame/s! This ‘Universal Consciousness Reality’ therefore also implies that the physical universe does not exist “objectively” or “independently” of the Universal Consciousness Principle – but is rather only a ‘transient’, ‘phenomenal’ manifestation of this Universal Consciousness Principle.

The next significant theoretical development of the CUFT comprises the discovery of the “Supra- Spatial-Temporal Universal Consciousness Reality” theoretical postulate: In order to arrive at this new postulate of the CUFT we must closely reexamine the last theoretical postulate (conclusion) of the ‘Computational Unified Field Theory’ (CUFT), namely: the ‘Universal Consciousness Reality’, as well as several of its predecessor postulates such as the ‘Computational Invariance Principle’, ‘Universal Consciousness Principle’ (UCP) and indeed the UCP’s basic ‘A-Causal Computation’ Paradigm; the starting

point towards the discovery of this new ‘Supra- Spatial-Temporal Universal Consciousness Reality’ begins with the ‘Universal Consciousness Principle Reality’ postulate which asserted that based upon the ‘Computational Invariance Principle’s’ reasoning that only the “computationally invariant” ‘Universal Consciousness Principle’ may be regarded as “permanent”, whereas the four basic physical features which are being solely computed by this Universal Consciousness Principle at every exhaustive spatial pixel in the physical universe only “during” the UCP’s minimal time-point production of each USCF’s frame/s but do not exist “in-between” any two subsequent frames – can only be regarded as “transient” and “phenomenal” (e.g., “computationally variant”).

But, this “dramatic” transformation of these four basic physical features (e.g., ‘space’, ‘time’, ‘energy’ and ‘mass’) of the entire physical universe – i.e., from their current status as the basic “objective” building-blocks of the universe to their recognition as merely “phenomenal-transient” manifestations of the singular reality of the Universal Consciousness Principle led to the formulation of the “Universal Consciousness Reality” theoretical postulate: Indeed, the ‘Universal Consciousness Reality’ postulate asserts that since the entire physical universe ceases to exist “in-between” any two subsequent USCF’s frames – wherein only the ‘computationally invariant’ Universal Consciousness Principle exists, and even “during” the USCF’s frames each exhaustive pixel of the universe is solely produced- sustained- and evolved- by the Universal Consciousness Principle, then there truly exists only one singular (‘computationally invariant’) “Universal Consciousness Reality” which exists uniformly both “during” the USCF’s frames, e.g., solely producing the entire physical universe, and solely existing “in-between” any two subsequent USCF’s frame/s, i.e., therefore the physical universe exists only as a manifestation of this singular Universal Consciousness Reality! Hence, this new ‘Universal Consciousness Reality’ postulate views the entire physical universe – only as a “phenomenal”, “transient” manifestation of this singular Universal Consciousness Principle, e.g., but does not exist as an “objective”, “independent” reality of this Universal Consciousness Reality.

In other words, the ‘Universal Consciousness Reality’ (postulate) asserts that in truth, there exists only one singular “Reality” – which is the Universal Consciousness Principle, which manifests both as the entirety of the physical universe “during” its production of each subsequent USCF’s frame/s, and solely exists (e.g.,

without the physical universe) “in-between” any two USCF’s frames.

But, if indeed, the entire physical universe ceases to exist “in-between” any two subsequent USCF’s frames, and if as this new Universal Consciousness Reality proclaims the entire physical universe does not exist “independently” of this Universal Consciousness Principle and is solely produced by- and is a manifestation of – this Universal Consciousness Principle, then we must present the following critical question: what is the “mechanism” by which this Universal Consciousness Reality: produces- sustains- and evolves- the entire physical universe, i.e., in its “continuous”, “orderly”, “intelligent” form – throughout this extremely rapid series of USCF’s frames?!

The surprising answer to this critical question along the development of the new understanding of this ‘Universal Consciousness Reality’ is that there must exist certain intrinsic features of this singular Universal Consciousness Reality which impel it to produce- sustain- and evolve- each and every spatial pixel in the physical universe, e.g., in the particular, “orderly”, “intelligent” and “conscious” manner in which it manifests as this evolving physical universe: The first amongst these (postulated) intrinsic characteristics and functioning of this singular Universal Consciousness Reality (e.g., which manifests as this produced- sustained- and evolving- physical universe) is the “Supra-Spatial-Temporal Dynamic-Equilibrium” of this Universal Consciousness Reality!

### The “Universal Consciousness Reality’s Inseparability Principle”

One of the far reaching theoretical implications of the discovery of the Universal Consciousness Reality is the recognition of its principle “Inseparability”! This is because once we accept the Universal Consciousness Reality’s assertion that since only the ‘computationally invariant’ Universal Consciousness Principle remains constant – both “during” each USCF’s frame/s and also “in-between” any two subsequent USCF’s frame/s (e.g., whereas the ‘computationally variant’ four basic physical features of ‘space’, ‘time’, energy’ and ‘mass’ which are solely produced- sustained- and evolved- by this singular Universal Consciousness Principle only exists “transiently” and “phenomenally” “during” each USCF’s frame/s but doesn’t exist “in-between” any two subsequent USCF’s frame/s), therefore only this Universal Consciousness Principle may be regarded as “real” (and “constant”), i.e., termed: the ‘Universal Consciousness Reality’: then, we also have to realize that those four basic physical features being computed at every exhaustive

spatial-pixel in the entire physical universe exist only “phenomenally” and “transiently” – i.e., solely as a manifestation of this singular Universal Consciousness Reality!

But, this also implies that there is no “separation” between any exhaustive spatial pixel/s in the entire physical universe from this singular Universal Consciousness Reality, which is termed: the “Universal Consciousness Reality Inseparability Principle”! This means that just as any constituent “drop of water” does not exist “separately” from the entire body of the “Ocean”, so does any exhaustive spatial-pixel/s in the physical universe – does not exist “separately” from the singular ‘Universal Consciousness Reality’ which solely and singularly produces- sustains- evolves- and transcends- each and every such exhaustive spatial pixel/s comprising the entirety of the physical universe.

Thus, this profound new ‘Universal Consciousness Reality Inseparability Principle’ asserts the identification of each exhaustive spatial-pixel/s in the physical universe with the singularity of the Universal Consciousness Reality, i.e., such that each and every exhaustive spatial-pixel in the physical universe – and consequently the entire physical cosmos does not exist separately from this ‘Universal Consciousness Reality’! Therefore, this novel ‘Universal Consciousness Reality Inseparability Principle’ asserts that the entire physical cosmos (and every exhaustive spatial pixel constituting it at every minimal time-point USCF’s frame/s) is “inseparable” from the ‘Universal Consciousness Reality’ which exists both “during” each USCF’s frame/s and also exists “in-between” any two subsequent USCF’s frame/s. This means the entire physical universe – i.e., presented at each minimal time-point USCF’s frame/s is not “separate” from- and in fact only a manifestation of- this singular Universal Consciousness Reality!

But, if (in fact) the entire physical universe and every exhaustive spatial-pixel comprising it (at each minimal time-point USCF’s frame/s) is indeed “inseparable” from the singular Universal Consciousness Reality; and based on the Universal Consciousness Reality’s recognition that the Universal Consciousness Principle exists “invariantly” (e.g., constantly “unchanged”) – both “during” its singular computation of every USCF’s frame/s and also “in-between” any two consecutive USCF’s frame/s (e.g., wherein it exists singularly without any physical universe present!), then what follows is that this singular Universal Consciousness Reality constitutes a “Supra-Spatial-Temporal” reality, termed: the “Supra-Spatial-Temporal

Universal Consciousness Reality” new theoretical postulate of the CUFT.

Essentially, this new ‘Supra-Spatial-Temporal Universal Consciousness Reality’ postulate points at the fact that since the existence of the entire physical universe, i.e., at each minimal time-point USCF’s frame/s is only ‘transient’ and ‘phenomenal’ (‘computationally variant’) – merely representing a manifestation of the singular (‘computationally invariant’) reality of the Universal Consciousness Principle, and since this singular Universal Consciousness Reality exists both “during” the USCF’s frame/s (solely computing every exhaustive spatial-pixel in the physical universe) and “in-between” each two consecutive USCF’s frame/s (without the manifestation of the physical universe), then this new ‘Supra-Spatial-Temporal Universal Consciousness Reality’ postulate asserts that we must regard all “past”, “present” and “future” USCF’s as constituting an integral part of this singular Universal Consciousness Reality, alongside the Universal Consciousness Reality’s existence “in-between” any two USCF’s frame/s (e.g., without the manifestation of the physical cosmos) – as one integral (whole) Universal Consciousness Reality!

Hence, the ‘Supra-Spatial-Temporal Universal Consciousness Reality’ postulate points at the existence of a singular Universal Consciousness Reality which embeds within it all ‘past’- ‘present’ and ‘future’ USCF’s frames’ of the entire physical universe as well as its own existence which transcends these USCF’s frame/s, e.g., “in-between” any two consecutive USCF’s frames and the entire physical universe (at these ‘past’, ‘present’ and ‘future’ USCF’s frames)! This means that the entire physical cosmos – in the ‘past’, ‘present’ and ‘future’ exists as a singular entity embedded within the Universal Consciousness Reality, which also transcends these ‘Supra-Spatial-Temporal’ manifestations of the physical cosmos.

But, such a new (profound) conception of the entire physical universe wherein its ‘past’, ‘present’ and ‘future’ manifestations as comprising this singular Universal Consciousness Reality, e.g., which also “transcends” this ‘Supra-Spatial-Temporal Universal Consciousness Reality’ impels us to ask the challenging question: if indeed the ‘past’, ‘present’ and ‘future’ USCF’s frames’ manifestations of the entire physical universe all constitute integral parts of the same singular Universal Consciousness Reality and if this Universal Consciousness Reality also exists “independently” of its manifestation of these ‘past’, ‘present’ and ‘future’ USCF’s frames manifestations, then what is the “mechanism” which determines the “orderly”,

“sequential” appearance of the series of USCF’s comprising the evolution of the entire physical cosmos? In order to make this principle question even clearer, let us return to the CUFT’s earlier discovery of the new (abovementioned) ‘A-Causal Computation’ Paradigm which negated the possibility of the existence of any “material-causal” physical relationships (either at the quantum or relativistic levels) within or across any two (or more) USCF’s frames: The cinematic Film Metaphor was utilized to demonstrate the impossibility of the existence of any physical interaction taking place between any two (hypothetical) spatial-pixels found within the same USCF’s frame/s or across any two USCF’s frames.

A depiction of a ‘glass-vase’ which is shattered by a ‘mercury-ball’ across a certain number of film-frames was shown (upon further in-depth analysis) to negate the possibility of the existence of any ‘material-causal’ relationship/s at any single film-frame, and obviously the possibility of the existence of any such ‘material-causal’ physical relationships was negated across any two film-frames (e.g., since there is no “transference” of any “material” element across frames.). Therefore, the ensuing conclusion from the Cinematic-Film Metaphor was that in the same manner in which there cannot exist any ‘material-causal’ relationships between any two (or more) spatial-pixels within the same- (or other-) film frames, e.g., since all of the spatial pixels in each film-frame are being presented “simultaneously” – so the Universal Consciousness Principle’s simultaneous computation of all exhaustive spatial pixels in the physical universe (e.g., at each USCF’s frame/s) negates the possibility of the existence of any ‘material-causal’ relationship/s between any two or more spatial pixels existing in the same- or different- USCF’s frame/s! The significance of the Universal Consciousness Principle’s new ‘A-Causal Computation’ Paradigm (of Theoretical Physics) is that it highlights the abovementioned principle question regarding the “mechanics” or “dynamics” of the newly discovered ‘Supra-Spatial-Temporal Universal Consciousness Reality’.

This is because if we accept the previous ‘Universal Consciousness Reality’s Inseparability Principle’, e.g., wherein all exhaustive spatial-pixels of the physical universe at any ‘past’, ‘present’ or ‘future’ USCF’s frame/s are necessarily “inseparable” from- and in fact are but a manifestation of- the singular Universal Consciousness Reality; and moreover, due to the abovementioned Universal Consciousness Principle’s ‘A-Causal Computation’ Paradigm which negates the possibility of any “material-causal” (quantum or relativistic) physical relationships existing at any single or multiple USCF’s

frames – then we reach the inevitable theoretical conclusion wherein the computation- sustenance- and evolution- of the entire physical universe may only be explained based on the ‘Supra-Spatial-Temporal Universal Consciousness Reality’s dynamics.

However, the essential point to be noted is that in the same manner that we cannot explain the “evolution” or indeed even “sustenance” of a Cinematic-Film based on any “physical interaction” taking place either between any two (or more) spatial-pixels within any given frame, or indeed- across any two (or more) cinematic film-frames; so the Universal Consciousness Principle’s ‘A-Causal Computation’ teaches us that the computation-sustenance- and evolution- of any exhaustive spatial-pixel in the entire physical universe existing in any “past”, “present” or “future” USCF’s frame/s cannot be explained through any “physical interaction” between any two (or more) exhaustive spatial pixels presented either at the same- or different- USCF’s frames! Instead, in the same manner that the “evolution” of any given series of cinematic-film frames is determined through the Film’s editor’s choice of the film’s “plot”, “characters” etc. (rather than any physical interactions between any “physical occurrences” depicted within the film); So, it is postulated that the Universal Consciousness Principle’s “evolution” of the series of USCF’s cannot be determined through any “physical interactions” between any two (or more) exhaustive spatial-pixels depicted in the same- or different USCF’s frames which are solely computed-sustained- and evolved- and were shown (above) to be “inseparable” from the singularity of the Universal Consciousness Principle Reality!

Instead, it is asserted by the ‘Supra-Spatial-Temporal Universal Consciousness Reality’ postulate that the sole computation- sustenance- and evolution- of any exhaustive spatial pixel/s in the entire physical universe (e.g., as well as of the entire physical cosmos) may only be determined through particular characterizations of this ‘Supra-Spatial-Temporal Universal Consciousness Reality’! Indeed, the final development (in this article’s) of the CUFT’s new understanding of this ‘Supra-Spatial-Temporal Universal Consciousness Reality’ involves the discovery of an additional new theoretical postulates which can explain its apparent “intelligent”, “organized” and “evolving” physical cosmos, namely: the “Evolution of Universal Consciousness Reality’s Awareness” Postulate/ Hence, the key theoretical question which this ‘Evolution of Universal Consciousness Reality’s Awareness’ new theoretical postulate attempt to answer is: what may be the “propelling force” of the ‘Supra-Spatial-Temporal Universal Consciousness Reality’ which produces the

apparently “intelligent”, “orderly” “evolution” of the physical cosmos and every exhaustive spatial-pixel constituting it?!

### The ‘Evolution of Universal Consciousness Reality ‘s Awareness’ Postulate”

The first amongst these two additional postulates, the ‘Evolution of Universal Consciousness Reality’s Awareness’ (EUCRA) postulates that a key driving force propelling the Universal Consciousness Principle’s evolution of the physical universe (e.g., through its sole and singular production of the extremely rapid series of USCF’s frames) is its “attempt” to present an ever-growing manifestation of the Universal Consciousness Reality! Thus, for instance, when we examine the historic evolution of “inanimate” matter, followed by “animate”: “vegetation”, “animal” and “human” forms – this signifies a gradual evolution of the degree of Awareness of the singular Universal Consciousness Reality which solely produces these gradually evolving forms (as well as every exhaustive spatial pixel constituting the entire physical cosmos);

This is because when we compare (for instance) ‘inanimate-matter’ with even the most basic form of ‘animate-vegetation’ it immediately becomes apparent that while both of these forms are solely produced by the Universal Consciousness Reality – the ‘animate-vegetation’ form is (relatively) more “aware” of its surrounding environment, e.g., including its noticeable response to “temperature”, “moisture”, “seasonal fluctuations” etc. than ‘inanimate-matter’! Likewise, the ‘animate-plant’ (vegetation) exhibits typical qualities of this singular Universal Consciousness Reality, i.e., such as its innate qualities of “growth”, “evolution” and “creativity” – as any plant grows, evolves and creates subsequent generations of ‘plants’, which the ‘animate-matter’ is not capable of doing! Let us remember (once again) that based on the abovementioned Universal Consciousness Principle’s ‘A-Causal Computation’ Paradigm constraint this evolution from animate-matter to animate-plants cannot be the result of any “physical-interactions” taking place at any of this Universal Consciousness Principle’s (solely) produced USCF’s frame/s!

In other words, this observed historic evolution from the singular Universal Consciousness Reality’s production of any exhaustive spatial-pixel/s at any past- present- (or even future-) USCF’s frame/s must be the sole result of its tendency to manifest ever-growing forms of Awareness of it (e.g., rather than as arising from any “material-causal”

evolutionary interactions – such as for instance the currently assumed “mutation” of inanimate-matter to DNA biological components as “caused” by ultraviolet cosmic radiation)! (Once again the abovementioned Cinematic-Film Metaphor’s realization that in the same manner that there cannot exist any “causal” relationship/s between any two or more spatial-pixels existing either in the same- or different- cinematic film-frame, so it is not possible for any two or more exhaustive spatial pixels/s produced simultaneously by the Universal Consciousness Principle to interact at any past- present-or even future- USCF’s frame, which therefore precludes the possibility of the existence of any “material-causal” physical interactions assumed by all Biological Evolutionary Theories, e.g., including the abovementioned transformation of inanimate matter to animate vegetation through ultraviolet radiation.)

Hence, the “Evolution of Universal Consciousness Reality’s Awareness” (EUCRA) postulate indicates that one of the “driving forces” behind the evolution of the entire physical cosmos is the Universal Consciousness Reality’s innate tendency towards exhibiting ever-growing manifestations of Itself, i.e., including: animate, inanimate: vegetation, biological (animals) and humans’ manifestations of ever increasing broader manifestations of the Awareness of this Universal Consciousness Reality! Indeed, when we study the evolution of the species on Planet Earth we find that this evolution signifies a broadening Awareness of this singular Universal Consciousness Reality: plants exhibit a greater awareness of their environment, i.e., sensation, interaction and growth than inanimate matter, since they grow, evolve and interact and affect their environment (in a way which animate matter does not!);

Animals and all biological forms (e.g., even an ameba!) exhibit still a greater degree of Awareness (of this Universal Consciousness Reality) than plants – since animals also exhibit a certain degree of volition, movement, instincts and even emotions, e.g., all manifesting a greater degree of sensation, volition, movement, some emotional response and even rudimentary forms of communications with their environment and other sentient beings! Human beings obviously manifest a far greater degree of Awareness of this Universal Consciousness Reality – i.e., in that humans already possess a Consciousness which can think, talk, cognize and be aware of various physical and even mental constructs relating to the physical universe, life, evolution etc. In fact, a central thesis comprising this EUCRA theoretical postulate is that even within human-beings (“Homo Sapiens”) there exists a further broader (and very

significant) evolution of this key driving force (underlying the development of the physical cosmos) which is an evolution in the Awareness of the Universal Consciousness Reality – which culminates in the attainment of a “Universal Consciousness Awareness” (in those human beings whose Consciousness has transcended the “Ego’s” apparent distinct existence as “separate” from this singular Universal Consciousness Reality!

Thus, according to this new EUCRA theoretical postulate of the CUFT, a key innate ‘driving-forces’ underlying this evolution of the physical universe is the Universal Consciousness Reality’s ever-broadening manifestation of a growing Awareness of It – which manifests amongst others in the historic evolution of inanimate, animate: plant – animals – humans – human’s Universal Consciousness Awareness! Note that this new EUCRA postulate’s account of the historic progression from inanimate to animate (plant-animals-humans. etc.) evolution markedly differs from Darwin’s (currently acceptable) Evolutionary Theory and also contradicts Physics Second Law of Thermodynamics (e.g., at least in its overall theoretical implication); This is because contradictory to Darwin’s Natural Selection Process (and general Evolutionary Theory) which assumes a “material-causal” physical relationships between those specific organism/s which are “selected” to survive due to their “superior” interaction with a challenging “Environment”, the Universal Consciousness Principle’s (new) A-Causal Computation Paradigm negates the very possibility of such “material-causal” physical interaction between any given organism and its Environment due to the fact that this Universal Consciousness Principle simultaneously computes all exhaustive spatial-pixels in the entire physical universe, thereby precluding any physical interactions between two (or more) spatial pixels occupying the same- (or different-) USCF’s frame/s!

Moreover, due to the Universal Consciousness Principle’s associated ‘Computational Invariance Principle’ which asserts that only this Universal Consciousness Principle may be considered “constant” (e.g., ‘computationally invariant’) – existing both “during” any single or multiple USCF’s frame/s (and solely producing- sustaining- and evolving- all four physical features of ‘space’, ‘time’, ‘energy’ and ‘mass’ associated with every exhaustive spatial-pixel/s in the entire physical universe) and also singularly existing “in-between” any two consecutive USCF’s frame/s, whereas those four physical features are considered merely “transient-phenomenal” manifestations of this singular Universal Consciousness Principle (e.g., since they exist

only “during” each USCF’s frame/s but not “in-between” any two consecutive USCF’s frame/s and are solely produced- sustained- and evolved; then this ‘Computational Invariance Principle’ deduces that there cannot be any “material-causal” effect or interaction/s between any two consecutive USCF’s frame/s, e.g., because all material objects exist only “during” each USCF’s but cease to exist “in-between” any two consecutive USCF’s frames!

Therefore the sole production- existence- and evolution- of the entire physical cosmos is contingent upon- and is truly only a manifestation of- the singularity of this Universal Consciousness Reality! Indeed, it is precisely due to this singular existence of the Universal Consciousness Reality which solely produces- sustains- and evolves every exhaustive spatial-pixel in the entire physical universe that the new EUCRA theoretical postulate was discovered – e.g., since we must seek an explanation for the “orderly”, “intelligent” evolution of the physical universe (as well as all complex inanimate, animate and increasingly evolving plant, animal and human biological forms); Hence, according to this new EUCRA theoretical postulate the only feasible explanation for the evolution of the physical universe is anchored in the innate tendency of the Universal Consciousness Reality to manifest an ever-growing awareness of Itself, which is expressed (amongst others) in the evolution from inanimate- to animate: plant- animals- human-beings: through human being’s evolution of Consciousness from Ego to the final full manifestation of this Universal Consciousness in humans! In this sense, all biological evolution is explained not as a result of any physical interaction between any given organism/s and their “adaptive” behavior to a given environment (as currently assumed by Darwin’s Natural Selection Principle), but rather as a manifestation of this singular Universal Consciousness Reality to exhibit the EUCRA’s increasingly broader awareness of Itself!

Note, however, that this new EUCRA theoretical postulate of the CUFT- not only negates the Darwin’s currently assumed “material-causal” account of biological evolution (as explained above) but also broadens the theoretical perspective of accounting for all inanimate- and animate (plants, animals and humans) evolution as manifesting a singular “driving force” of the Universal Consciousness Reality to manifest itself through increasingly broader forms of “awareness”! In that sense the strict boundaries between “inanimate”, “animate”: “plants”, “animals” and “humans” are somewhat transcended – as all manifesting the same overall innate EUCRA tendency of this singular Universal Consciousness

Reality! In that sense this new EUCRA postulate establishes this innate “drive” of the Universal Consciousness Reality to manifest an increasing evolutionary awareness of this Universal Consciousness Principle as one of the most fundamental “building-blocks” of the whole evolution of the physical cosmos; Indeed, this newly discovered EUCRA postulate also challenges the general theoretical framework of the Second Law of Thermodynamics in that it advocates an increasing manifestation of the organization- complexity- and manifestation of this Universal Consciousness Reality – rather than this Second Law of Thermodynamics assertion of an innate increase in the level of entropy in the universe (with time)!

Previously, it was shown how the Universal Computational/Consciousness Principle challenges the Second Law of Thermodynamics based on its negation of the possibility of any “material-causal” relationship/s between any two (or more) exhaustive spatial-pixels in the universe existing either in the same USCF frame or across any subsequent USCF’s frame/s since the Second Law of Thermodynamics assumes that (somehow) the level of entropy (within a given system) at time ‘t1’ “causes” an increase in the level of that same physical system at time ‘t2’ (which implies some sort of physical interaction between that system’s level of entropy at ‘t1’ and ‘t2’)!? Another “local” negation of this Second Law of Thermodynamics was also previously illustrated based on an expanded human Consciousness (e.g., which possesses equivalent potential as the Universal Consciousness Principle) to “reverse the flow of time” within a given physical system which manifests the Second Law’s apparent “increase in entropy with time”: It was postulated that in the same manner in which the Universal Consciousness Principle produces- “dissolves”- and “evolves”- any exhaustive spatial pixel in the physical universe with every consecutive USCF frame/s, so it may be possible for an “expanded” human Consciousness to “dissolve” any given physical system at its ‘t2’ (“increased entropy” level) and then “re-produce” it in its ‘t1’ “decreased-entropy” level, thereby negating the Second Law of Thermodynamics!

However, the new EUCRA theoretical postulate (currently) further challenges the Second Law of Thermodynamics in the most general framework of the evolution of the physical cosmos – which according to this EUCRA postulate in fact “drives” the entire physical universe towards ever- increasing more evolved- complex- organized- interconnected- forms of awareness of this singular Universal Consciousness Reality! Indeed, as shown previously, the discovery of the Universal

Consciousness Principle's 'A-Causal Computation' new Paradigm of Theoretical Physics challenged General Relativity's currently acceptable theoretical model of the evolution of the cosmos as governed by a dynamic "material-causal" physical interactions between "massive objects" and the "curvature of space-time": This is (once again) due to the Universal Consciousness Principle's assertion of its simultaneous computation of all exhaustive spatial-pixels in the universe at any minimal time-point USCF's frame/s which precludes the possibility of any such "material-causal" physical interactions taking place between any given "massive-objects" and their "curvature of space-time" (or vice versa – the determination of the "movement-pathways" of these "massive-objects" by the "curvature of space-time")!

Therefore, the Computational Unified Field Theory's (CUFT) new 'A-Causal Computation' Paradigm replaces the current "material-causal" paradigm underlying both Relativity Theory (RT) and Quantum Mechanics (QM) by a new picture of the physical universe – as originated, sustained and evolved solely and singularly by the Universal Consciousness Reality, which according to the EUCRA (new) postulate strives towards an ever increasing manifestation of this singular Universal Consciousness Principle (UCP): Indeed, as shown previously, this Universal Consciousness Principle's accelerated addition of a greater number of spatial-pixels to each subsequent USCF's frame/s (e.g., rather than the currently assumed "Dark-Energy" and "Dark-Matter" which were shown to be "superfluous" by the UCP's 'A-Causal Computation' Paradigm) – may also be considered one of the facets of this new EUCRA theoretical postulate! Instead of the physical cosmos evolving based on General Relativity's assumed "material-causal" physical interactions between "massive-objects" and the "curvature of space-time" (and vice versa) and governed by the 'Second Law of Thermodynamics' which advocates an ever increasing degree of 'entropy' – the Universal Consciousness Reality's EUCRA postulate portrays an entirely new conception of the evolution (and sustenance) of the physical cosmos as manifesting an ever broadening Awareness of the singular Universal Consciousness Reality, i.e., as represented by an accelerated increase in the origination- complexity- and organization- of the physical universe (with every subsequent USCF's frame), as well as through planet Earth's (and possibly other planet's) evolution from 'inanimate' towards 'animate': plants, animals and humans' exhibition of the fully developed Universal Consciousness realization.

Finally, it is hereby hypothesized that in the same manner that this new EUCRA postulate of the CUFT points

at the ever increasing awareness of this singular Universal Consciousness Reality – amongst others, through its accelerated increase of the number of spatial-pixels with each subsequent USCF's frame/s (at the largest macroscopic Astronomical scale of the physical cosmos), it is likely that this new EUCRA postulate predicts the origination- and even evolution- of elementary subatomic particles (or phenomenon) representing the "creative", "complexity-driven" evolution of this singular "Supra-Spatial-Temporal Universal Consciousness Reality"!

## Conclusion

This article begins with the recognition of the basic Paradigmatic Shift that it taking place in 21<sup>st</sup> Theoretical Physics from the Old 'Material-Causal' Paradigm underlying both Relativity Theory and Quantum Mechanics to the New 'A-Causal Computation' of the CUFT; This new conception of the physical universe – not as originated by a "Big-Bang" nuclear explosion but rather as being continuously computed by a singular higher-ordered Universal Consciousness Reality (e.g., at the incredible rate of " $c^2/h = 1.45^{42}$  sec') fundamentally changes our understanding of the nature, composition and evolution of the entire physical universe. Key within this new conception of the physical reality is the realization that every exhaustive spatial pixel in the physical universe is solely being computed- "dissolved"- re-produced- and evolved- by this singular Universal Consciousness Reality at every minimal time-point USCF's frame/s; given the simultaneity of this Universal Consciousness Reality's the new 'A-Causal Computation' Paradigm negated the possibility of any "material-causal" physical relationships existing either at the relativistic or quantum level, thereby discarding "dark matter" and "dark-energy" and "superfluous" (i.e., non-existent) and also revised the basic quantum model which assumes the "collapse" of the target's probability wave-function as "caused" by its direct physical interaction with a corresponding subatomic 'probe' element. Instead, the new CUFT 'A-Causal Computation' Paradigm postulates that the entire physical universe is produced simultaneously by the singular Universal Consciousness Reality at each minimal time-point USCF's frame/s.

This led to the discovery of three new Theoretical Postulates of the CUFT, including: a "Supra-Spatial-Temporal Universal Consciousness Reality" pointing at the existence of a singular unitary Universal Consciousness Reality which exists both "during" its production of each USCF's frame/s and also solely exists (without the presence of the physical universe) "in-between" any two consecutive USCF's, and points at its

inherent “Dynamic-Equilibrium”, “Inseparability Principle”, and “Evolution of Universal Consciousness Reality ‘s Awareness’ (EUCRA) postulate which profoundly change our basic understanding of the physical universe as being inseparable from the singular (active) manifestation of this Universal Consciousness Reality.

### Acknowledgement

This article is dedicated to my Beloved Father Prof. Zvi Bentwich and Mother, Dr. Tirza Bentwich my two wonderful sons, Shoham and Nethanel, my family, and my G-d sent extended family of dear friends: Motti Ben-Mordechai, Pinchas Eliyahu & Tamar Meitla, Einat & Shlomo & Neora Scheinmann, Yehuda Zaks and so many others who have supported me all along the way. It is written with the sincere hope (and prayer) that this new emerging Expansive understanding of the fundamental ‘Universal Consciousness Reality’ Oneness (and Harmony) underlying the whole physical universe (and all of Humanity) – may bring about a profound positive change in our Universal Human Brotherhood (and Compassion towards each other).

### References

1. Born M (1954) The statistical interpretation of quantum mechanics. Nobel Lecture.
2. Giacosa Francesco (2014) "On unitary evolution and collapse in quantum mechanics". *Quanta* 3(1): 156-170.
3. Heisenberg W (1927) Über den anschaulichen Inhalt der quantentheoretischen Kinematik und Mechanik. *Zeitschrift für Physik* 43(3-4): 172-198.
4. Bernauer, Pohl (2014) The Proton Radius Puzzle. *Scientific American* 310(2): 20-24.
5. Brumfiel G (2006) Our Universe: Outrageous fortune. *Nature* 439: 10-12.
6. Ellis J (1986) The Superstring: Theory of Everything, or of Nothing?. *Nature* 323: 595-598.
7. Greene B (2003) *The Elegant Universe*, Vintage Books, New York.
8. Bentwich J (2012a) “Harmonizing Quantum Mechanics and Relativity Theory”. *Theoretical Concepts of Quantum Mechanics Intech Chapter 22: 515-550.*
9. Bentwich J (2012b) “Theoretical Validation of the Computational Unified Field Theory”. *Theoretical Concepts of Quantum Mechanics Chapter 23: 551-598.*
10. Bentwich J (2013a) “The Theoretical Ramifications of the Computational Unified Field Theory”. *Advances in Quantum Mechanics Chapter 28: 671-882.*
11. Bentwich J (2013b) *The Computational Unified Field Theory (CUFT): A Candidate Theory of Everything. Advances in Quantum Mechanics Chapter 18: 395-436.*
12. Bentwich J (2014a) *Critical Empirical Validation of the ‘Computational Unified Field Theory’ (CUFT) vs. Quantum & Relativistic Models. Selected Topics in Applications of Quantum Mechanics.*
13. Bentwich J (2014a) *What if Einstein was Right?. Amazon Kindle Book Store.*
14. Bentwich J (2015) *On the Geometry of Space, Time, Energy & Mass: Empirical Validation of the Computational Unified Field Theory. Proceedings of Vigier IX – Unified Mechanics: Natural Science Beyond the Veil of Space time Baltimore, Maryland.*
15. Bentwich J (2016) *The ‘Computational Unified Field Theory’: A Paradigmatic Shift. Research & Reviews. Journal of Pure & Applied Physics.*
16. Bentwich J (2017a) *The Computational Unified Field Theory: Could ‘Dark Matter’ & ‘Dark Energy’ be “Superfluous”? Research & Reviews: Journal of Pure & Applied Physics, Special Issue: The Computational Unified Field Theory (CUFT) - A Paradigmatic Shift in 21<sup>st</sup> Century Physics.*
17. Bentwich J (2017b) *The Computational Unified Field Theory: Explaining the Universe from “Without”. Research & Reviews: Journal of Pure & Applied Physics, Special Issue: The Computational Unified Field Theory (CUFT) - A Paradigmatic Shift in 21<sup>st</sup> Century Physics.*
18. Bentwich J (2017c) *The Computational Unified Field Theory: A New ‘A-Causal Computation’ Physics. Research & Reviews: Journal of Pure & Applied Physics Special Issue: The Computational Unified Field Theory (CUFT) - A Paradigmatic Shift in 21<sup>st</sup> Century Physics.*

19. Bentwich J (2017d) The 'Computational Unified Field Theory' (CUFT) May Challenge the 'Big-Bang Theory'. Research & Reviews: Journal of Pure & Applied Physics Special Issue: The Computational Unified Field Theory (CUFT) - A Paradigmatic Shift in 21<sup>st</sup> Century Physics.
20. Bentwich J (2017e) Can the 'Computational Unified Field Theory' (CUFT) Challenge the Basic Laws of Conservation? Research & Reviews: Journal of Pure & Applied Physics Special Issue: The Computational Unified Field Theory (CUFT) - A Paradigmatic Shift in 21<sup>st</sup> Century Physics.
21. Bentwich J (2017f) The Computational Unified Field Theory: Time Reversal May be Possible. Research & Reviews: Journal of Pure & Applied Physics Special Issue: The Computational Unified Field Theory (CUFT) - A Paradigmatic Shift in 21<sup>st</sup> Century Physics.
22. Bentwich J (2017g) The Computational Unified Field Theory (CUFT) Transcends Relativity's Speed of Light Constraint. Research & Reviews: Journal of Pure & Applied Physics Special Issue: The Computational Unified Field Theory (CUFT) - A Paradigmatic Shift in 21<sup>st</sup> Century Physics.
23. Bentwich J (2017h) The Computational Unified Field Theory's New Physics: Transcending Space, Time and Causality. Research & Reviews: Journal of Pure & Applied Physics Special Issue: The Computational Unified Field Theory (CUFT) - A Paradigmatic Shift in 21<sup>st</sup> Century Physics.
24. Bentwich J (2017i) A "Supra-Spatial-Temporal Universal Consciousness Reality". Research & Reviews: Journal of Pure & Applied Physics, Special Issue: The Computational Unified Field Theory (CUFT) - A Paradigmatic Shift in 21<sup>st</sup> Century Physics.
25. Bentwich J (2017j) A New Science: An Infinite Omniscient Dynamic-Equilibrium Universal Consciousness Reality. Research & Reviews: Journal of Pure & Applied Physics, Special Issue: The Computational Unified Field Theory (CUFT) - A Paradigmatic Shift in 21<sup>st</sup> Century Physics.
26. Bentwich J (2017k) The Computational Unified Field Theory (CUFT) Challenges the Second Law of Thermodynamics. Research & Reviews: Journal of Pure & Applied Physics Special Issue: The Computational Unified Field Theory (CUFT) - A Paradigmatic Shift in 21<sup>st</sup> Century Physics.
27. Bentwich J (2017l) The Computational Unified Field Theory (CUFT) Challenges Darwin's 'Natural Selection Principle'. Research & Reviews: Journal of Pure & Applied Physics Special Issue: The Computational Unified Field Theory (CUFT)- A Paradigmatic Shift in 21<sup>st</sup> Century Physics.