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**Union Dipole Theory, UDT: a breakthrough theory for a disruptive next-generation technology innovation**

I consider myself as a self-taught physicist who has spent plenty of time looking for a novel theory that can reinstate a new conceptual understanding for physics via introducing a governing theory (final theory or the theory of everything).

I am writing you today as I would like to be given an opportunity to introduce a new ground-breaking theory to the whole world - the Union Dipole Theory, UDT.

Union Dipole Theory, the Theory of Everything (ToE) is indeed a novel theory which describes everything in the universe from the big-bang to subatomic particles which has unlimited outcomes in everything you might think about.

The theory provides an explanation to the various questions and mysteries in physics such as unifying all forces including gravity in one force - the electromagnetic force  , dark matter as high gravitational field that emits and  cause the cosmic microwave background radiation CMBR , the fundamental physical constants origin ,  faster-than-light anomaly , the full physical anatomy of  photon , electron, quarks ,neutrino,  proton, neutron.

The Theory will change the whole science backgrounds by a very simple concept of the Union Dipole Particle that can be taught to the children in the primary school and to professors of universities everywhere in the world.

For example, the theory  explains the black holes which is made from only compact Union Dipole Particles at maximum possible frequency (energy), Planck condition ( Planck frequency) where no emission from the black hole at all. The temperature of the black hole within its boundaries is the maximum possible temperature,   Planck temperature whereas the temperature outside the boundary is absolute zero Kelvin.

Union- Dipole Theory UDT introduces the concept of the universe shell that is at Planck condition as well. We see the Universe shell as a black sky background everyday night.

One day, the Universe should collapse when the shell ruptures and its contents move towards the two giant black holes - the two giant attractors that are growing now and can be observed.

Simply, the Universe started from two giant black holes and will go back to the same starting point in another cycle.

The driving force behind this ground-breaking Theory was a physical necessity to make scientific approaches and methodologies easier and better in all sciences.

UDT is mainly based on the existence of the Aether, which I call the Permeable Medium, which has and allows a deterministic, ultimate disturbance around vacuumed spheres made of nothing visible.  The disturbance transfers at infinite speed where the Permeable Medium doesn't have any time constrain.

Based on my postulates that defined well the shape of the only building block's dual particle, I soon found the Golden Ratio's secret of was hidden in this shape, and I was then able to corrected the Planck Length.

Union-Dipole Theory (UDT) presents the discovery of an eternal truth about the only building block in the Universe. This dual particle, or building block, is called the "Union-Dipole Particle", or UDP.

UDP is two empty spheres, containing nothing visible, surrounded by an ever-present Permeable Medium, which fills the entirety of space of this universe and outside it to any limit we think or assume. The source, or cause of any perceived observation or understanding all events in Nature must be perceived as a direct result from any disturbance of the Permeable Medium. Simply Universe exists only by two types of disturbances, the electric and magnetic that effect on the UDP by quantization. Meantime, UDP is self-made from absolute vacuum of nothing.

You can say that the Universe or Nature are the Permeable Medium who we cannot be observed directly and the Nothing that fills the Union Dipole Particle UDP.

The spherical shape of UDP stands behind the Inverse Square Law that we use every day and no one knows from where it comes.

At the starting point of our Universe, a certain number of UDPs popped up in the Permeable Medium, spinning in opposing directions around each other at Planck Frequency, which decreased after expansion of the Bing-Bang from the collision of two giant black holes. The Universe has a Shell that is thinning and will rupture one day, causing an entire collapse of the Universe, such that Nature might start another cycle.

The opposing electrical disturbance around the two spheres of the UDP creates attraction between the two spheres, meantime creating another perpendicular magnetic disturbance. The resultant effect of the only two possible disturbances on the contact point between the two spheres causes a nonstop helical motion of the two spheres at the Maxwell Speed of Light.

UDPs number in Nature is conserved, though the energy can be defined as an amount of disturbance in a region or a system that cannot be conserved. This fact will open the real age of free energy.

UDP has lowest and highest perceived properties that are limited by Planck Constant and Planck Condition. Each quanta equals to Planck constant.

Matter and dark matter are made from balanced and unbalanced UDPs, where balanced UDPs, such as photons, or neutrinos, propagate straightforward and the unbalanced particles, such as quarks and electrons, propagate locally in a closed loop, due to the uneven electrical disturbance around the UDP.

Mass, like other properties, is perceived and can be defined as a perceived property of UDP, existing in a certain disturbance.

Quantization is at the heart of any observed change in Nature, and occurs when UDP is subjected to differing disturbances or fields. One quantum of increase or decrease is equivalent to two spins around the spheres of the UDP, or one wavelength of its motion at Maxwell Speed of Light.

One of the keys to my precise calculation for the only Constant in Nature is due to the shape of UDP, which contains and unlocks secrets of the Golden Ratio that is considered the biggest challenge in science and art.

The second key was my understanding of Time, and how a comprehension of related, uniform, motion appears in the UDP.

Time cannot be, therefore, geometrical. UDP never stop or reduces its speed at the Maximum possible speed, Maxwell Speed of Light that was calculated very accurately from the shape of the UDP.

Anti-matter simply represents the case when unbalanced UDP has a reversed orientation; i.e. the positive sphere replaces the negative one in the UDP.

The only real Constant in Nature is the corrected Planck Length, which is equal to 1.6180330989 10 E-35 meter. With this Constant we can then find the second real Constant, which is Maxwell Speed of Light (3.049922216 E8 meter per second), and there is a perfect symmetry to Nature. Nature is exclusively composed from joined spheres made of nothing swimming helically in the Permeable Medium at Maxwell Speed of Light.

Nature is exclusively composed from joined dual spheres of Planck Length made of nothing and a Permeable Medium that has an effective disturbance acting through quantization.

These dual particles move at constant speed and their related disturbances transfers at infinite speed and following the Inverse Square Law.

Union Dipole Theory provides a novel atomic structure model that will replace the Bhur's and the probabilistic could models very soon and opens new horizons in theoretical and applied chemistry and biosciences to that extend of the best life that everyone dreams.

Below are some examples of the implications from the Union Dipole Theory:

● Providing Absolutism Motion Law that can be used in both worlds, the Newtonian and Quantum world by the Unification of all known forces in nature as one force without any contradictions or paradoxes.

●Unambiguous understanding for mass, force, magnetism, gravity, acceleration, charge, time, speed, motion, energy and their interactions at any level in a very deterministic condition.

● Novel fundamentals for particle physics and cosmology that can be implemented presently in mega research projects around the world and save billions of dollars from now,

● A better and easier theorization of the universe’s configuration at its beginning till the end.

● Simple and complied derivations  and well understanding of this theory  for the most important relations such as , mass concept, units unifications , mass–energy equivalence , the fine structure constant ,Louis De Broglie’s wave relation etc

The UDT can make the greatest change in our life in the very near future via limitless direct social and economic impacts such as:

● Innovative sensible methodology for science education and none contradict philosophy at any age or stage of study and teaching everywhere in the world.

● Novel, efficient, very cost-effective, scalable, durable, zero pollution impact, unconstrained and sustainable power generation method that could solve the energy crises in the whole world within few years.

● Eliminating current and future funds around the world for the unnecessary (uncertain) researches and R&D projects that are shown to be invalid with this theory.

● Generating new scientific applied researches directions in many areas such as food and agriculture  industries, transportation industries, communications, applied sciences ,bio-sciences and medical science , earth science, cosmology, pollution control  and environmental sciences  that can positively change the life on this planet and mitigate damages.

Finally, my truthful aspiration is to serve the whole world by the aid of those who believe in the necessity of real change that makes the Great Change that definitely will shape the Future of every one.