

Time: Matter, Energy, Field

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In the Memory of His Holiness Sri Satguru Jagjit Singh Ji Maharaj

Abstract

By the beginning of the 3rd Millennium, the concept of Time remains one of the most complicated in science. Existing mainly in mathematical applications, the physical properties of Time are still poorly understood. Using a new approach, this article describes the physical properties of Time and how do they work in terms of Descartes' Mechanics. Questions are considered about the properties of Time, how they are related to physics, psychophysics, life energy. Experimental results on the control of Time processes, the possibility of obtaining energy of a new type in technological systems and the control of energy processes in living systems are discussed. This allows a new approach for the development of many fields in science and the emergence of new effective technologies of the next level.*

Knowledge of the Future is possible only through understanding of the Present. The topic is discussed on how the Reality creates the Future.

Keywords: *Living Time Matter, Time energy, Descartes' Mechanics, Mechanics of Living Systems, Psychomechanics, Mechanics of Time*

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Time* - the word is capitalized to mark the discussed topic.

"...our conceptions of physical reality can never be final. We must always be ready to change these conceptions, i.e. the axiomatic basis of physics, in order to do justice to the facts of observation in the most complete way that is logically possible."

Albert Einstein, 1931

(MAXWELL'S INFLUENCE ON THE DEVELOPMENT OF THE CONCEPTION OF PHYSICAL REALITY) [1]

Physicists consider Time to be one of the most complex properties in our Universe to understand. Time is used in physics, mathematics, etc. to organize events, compare the duration of events, quantify changes, for example, the speed of objects, i.e. mostly like chronometrics.

In philosophy, Immanuel Kant declared Time as the subjective form necessary for knowing the objective world. According to Arthur Schopenhauer, time is a form of thinking, will, and according to Karl Marx it is a form of existence of matter.

In classical physics, Isaac Newton considered Time as Absolute and stated in his Principia: "I do not define time, space, place and movement as they are well known to all." [2].

Albert Einstein in his Theory of Relativity described the relativity of time processes in different coordinate systems and combined Space and Time into Space-Time.

Roger Penrose shows his vision of the connectedness of the space-time topology in different theories through Time cones. [3] Newman-Penrose formalism presented a vector base for streamlining the writing of complex formulas, with external vectors describing spatial ... and internal vectors tending to Time content. The Nature likes an appropriate marriage, harmonization

and not singularities, he believes. [4] Roger Penrose summarizing his thoughts on the state of modern physical theories in the book "The Road to Reality" wrote: "*Perhaps what we mainly need is some subtle change in perspective- something that we all have missed...*" [5]

Gennady Shipov, a well-known physicist, who successfully continued the work of Albert Einstein in the search for the Universal Theory of Relativity, described the rotational nature of Time of accelerated motion in his book "The Theory of Physical Vacuum".[6] Therefore, Time acquired **physical properties**.

*Humans seek to get into the Future
without understanding the Reality of the Present.*

I. On Time

Turning to such fundamental concepts as Time, it is necessary to start a discussion with the basics. Any physical object is defined through a description of its properties. For example, the definition of matter includes the following properties: matter can have volume, mass, change its place in space, can rotate (motion is rotation according to Rene Descartes), can be determined through the state of the spin, as is done in modern theories of fundamental particles. As such, there is no single universally recognized scientific definition of "matter". From a scientific point of view, the term "mass" is clearly defined, but "matter" can be defined in several ways along with the specified modifiers.

Modern definitions of matter lack an essential property describing its fact of physical being, its real or potential manifestation, i.e. properties of being in a real or potential time continuum. This makes it possible to observe the spatial multidimensionality of the manifesting states and forecasting the potential states. Time constitutes the fabric of Reality, its Nature and Essence.

We can define Time as a fundamental physical object related to the origin, existence, changes and interactions of all objects from the beginning to the end of their existence or transition to another phase or to another evolutionary level. Consequently, Time is associated with the life cycle of matter and it can be defined as Matter of Living Time, MLT.

Matter of Living Time is involved in the creation of all objects and structures - from functionally simple to evolutionarily complex - depending on the laws of Nature, the principles of super-causality for the diversity of being from the higher, subtle to the coarse worlds, etc. From here follows our perception of the relativity of Time of different objects that are related by manifestation in multidimensionality.

Taking part in the formation of all kinds of objects, their movement, the formation of different types of internal and external energy, Time is both matter and field. Due to this, Time has universal properties of creating various phase states: resonance, synchronization and structuring of events (simultaneity or phase shift in Time). Time is most Universal property for every system and unique in its multidiversity.

Synchronization of the States of Time as matter and as a field provides the possibility of resonance for the interaction of active and passive phases which regulates and stabilizes the systems.

In order to study the properties, to understand the principles of operation of a complex physical object, the stability or randomness of systems created by it, trying to understand the possibilities of controlling this physical object, we need appropriate mechanics.

1.1. The Evolution of Time Ideas in Mechanics

Let us turn to the evolution of ideas about Time in **classical Mechanics**. As mentioned above, according to Newton **Time is Absolute**, i.e. **generally accepted constant** value. Galileo's transformations assume that Time is the same for all coordinate systems. This is the basis for time coordinates, where **Time is a parameter**. Newtonian "Time in the Uniform", as expressed by Willem de Sitter, a Dutch astronomer, was defined as independent variables of the equations of Celestial Mechanics.

Following the experiments on the distribution of light, Albert Einstein **generalized Newtonian Mechanics** and introduced the **concept of space-time**. The Einstein-Lorentz Mechanics proposed the **fourth coordinate $x-ct$** in addition to x, y, z . This four-dimensional geometry was mainly mathematical, since it did not have a physical constant.

The **next generalization of Newtonian Mechanics** was undertaken in **Quantum Mechanics** by the efforts of several prominent scientists such as Niels Bohr, Max Planck, Louis De Broglie, Albert Einstein, Erwin Schrödinger, Werner Heisenberg, Wolfgang Ernst Pauli, Paul Dirac, Satyendra Nath Bose, Ernest Rutherford and others.

They aimed to describe static energy events of the micro world as **wave-particle duality, quantum superposition**, which means the **simultaneous presence of a test particle in two states - as a particle and in a wave state** (but excluding its own field). The hypotheses and postulates of quantum mechanics did not always coincide with classical mechanics. Therefore, Albert Einstein dreamed of a more advanced theory (geometry and mechanics), which could harmoniously combine (synchronize *) scientific knowledge of nature. He proposed a "Philosophy of Geometry" and sent a message to future generations of scientists to study Nature from the point of view of geometry first and then to "fill it with Physics" in a search for a "more advanced quantum theory". [7]

The **Fourth Generalization of Newtonian Mechanics** was done by Gennady Shipov, who continued to search for a better theory (geometry and mechanics) and wrote "The Theory of Physical Vacuum" (1990). This book was cited by Prof. Moshe Carmeli** in a letter to the author of this article: "...The new field equations he [Shipov] suggests were written as

$$R_{jm} - \frac{1}{2} g_{jm} R = v T_{jm} \quad (1),$$

where v is a constant, and the energy-momentum tensor is geometric and given by

$$T_{jm} = -\frac{2}{v} \left\{ \left(\nabla_{[i} T^i_{|j]m} + T^i_{s[i} T^s_{|j]m} \right) - \frac{1}{2} g_{jm} g^{pn} \left(\nabla_{[i} T^i_{|p]n} + T^i_{s[i} T^s_{|p]n} \right) \right\}, \quad (2)$$

$$T_{[jm]} = 0. \quad (3)$$

Shipov's ideas about "Universal Relativity" and "Physics Vacuum" are greatly interesting, and are excellently developed by him to a theory, which seem as a continuation of Einstein's work.**" – wrote Moshe Carmeli. [8]

In 1999-2005 G. Shipov conducted experimental studies of a new type of motion and proved the correctness of his theoretical predictions. In 2005 "*Descartes' Mechanics or the Fourth Generalization of Newtonian Mechanics*" was published in Belgium [9], (the title of the work was

** Prof. Moshe Carmeli - author of Rotational Relativity, Professor of A. Einstein School at Ben-Gurion University, Be'er Sheva, and former President of the Physical Society of Israel, invited member of Wolf and Nobel Prize Award Committees

proposed by G. Shipov, Prof. Daniel Dubois, disciple of Louis De Broglie). In the title, G. Shipov used the name Rene Descartes, who stated that any mechanical movement is rotation.

As a result, G. Shipov created the Universal Vacuum Nonholonomic Mechanics to describe rotational accelerated motion and beyond.

Geometric apparatus of *Descartes' Mechanics* (or Vacuum Mechanics) includes Geometry of Absolute Parallelism A4 (6), nonholonomic (anholonomic or, simply, open) coordinates, ten-dimensional, for describing accelerated (non-inertial) events.

Physical apparatus of *Descartes' Mechanics* states that any mechanical movement is rotation. It describes how different types of energy and vortex fields are created during polar and axial rotation. These fields are called torsion fields, i.e. torus-forming (also - warp). For visual presentation, it may look as Rock-and-Roll dance (polar and axial rotation) or tornadoes and other natural phenomena with curved internal metrics.

Unlike other theories, Shipov's Mechanics makes it possible to study the interactions of complex systems and its internal spaces, forces, fields in Space -Time continuum based on new physical principles.

The psychophysical model of the world in Shipov's theory includes any structure from higher, subtle to coarse matter.

Mathematical apparatus includes 56 equations for physical calculations, starting from $0 \equiv 0$, meaning the birth of potential Worlds.

Time In his fundamental research G. Shipov describes rotational nature of Time. Thus, Time acquires physical properties.

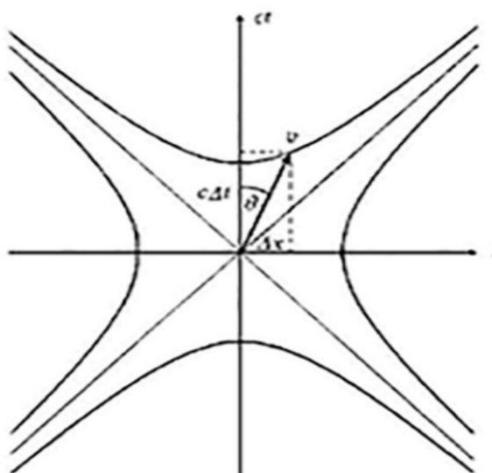


Figure 1. Rotational Nature of Time: Translational acceleration $W_x = dv_x/dt = c (th\theta_x)$ along axis x is rotational motion in plane $x-ct$.

1.2. About Mechanics of Time

Since *Descartes' Mechanics* (or Vacuum Nonholonomic Mechanics) by G. Shipov is Universal for describing fundamental events from higher and subtle worlds to coarse worlds. We will consider its principles, applying them to the functions of our studied object. The ultimate goal of Mechanics (theory) is to achieve an understanding of the regulatory mechanisms of the studied object and, if possible, improve the efficiency of controlling the object or phenomenon. Therefore, defining Time as a physical object, we have an opportunity to study the subtle Time structures, how they work and to find out whether they can be operated.

In the previous work “Mechanics of Living Systems (Biomechanics, Psychomechanics and Mechanics of Time) Applying the Principles of *Descartes Mechanics*” [10] the author of the present article described the basic types of human motion (bipedal propulsion system) and motion groups (basic, complex and global) from the point of view of ten-dimensional coordinates $\varphi_1 = \varphi$, $\varphi_2 = \psi$, $\varphi_3 = \theta$, $\varphi_4 = \vartheta_x$, $\varphi_5 = \vartheta_y$, $\varphi_6 = \vartheta_z$ and x, y, z, ct , as well as the Orders of their Psycho Mechanical control to create Energy for the motion in Real Time.

In the present paper, we will discuss a practical topic “Time-Energy” - is it possible to create energy by controlling Time matter and states. For our comparisons, we take the technical system and the living system. The topic is not new, but the modern understanding of the scientific aspect is insufficient. Experiments were conducted to study the interaction of atomic processes with a subtle element: the observer's effect during quantum scattering. Niels Bohr's ideas about the leading role of an observer in shaping reality formed the basis of the Copenhagen conference.

In our opinion, these interactions are explained by the interactions of the matter of Time, the energy of Time and the field of Time, since the fundamental components are created by Nature.

In living systems, the control of Time of fundamental structures is carried out in conjunction with a complex PSI hierarchy that controls information channels, models; generates, and distributes information and energy flows.

In technical systems, such interactions also exist, but they are not well understood. Modern atomic research has advanced deep into atomic structures. The negatively charged electron was described by J. Thompson, the positively charged proton was discovered by Rutherford, the positron first was observed by D. Skobeltsyn as the alleged antiparticle of the electron, and the neutron was discovered by J. Chadwick. Modern researchers study quarks, pi mesons, and other charming and fundamental particles.

More recently, nuclear physicists have discovered that the building blocks of a proton, quarks, are subjected to a pressure of 100 decillion Pascal (10^{35}) near the center of a proton, which is about 10 times greater than the pressure in the heart of a neutron star. The result was recently published in the journal “Nature”. “We found extremely high outward pressure from the center of the proton and much lower and longer internal pressure near the periphery of the proton.” Awesome source of energy! [11]

It is known that elementary charges, being in different phase states, compensated or excited, manifest themselves in different ways.

We will follow our hypothesis that the smallest generatrix of fundamental particles (potential and manifesting) is the Time matter, the LTM, which creates both energy and the field of Time. If in a compensated state fundamental physical objects are sometimes difficult to measure and observe, then we need to create an uncompensated dynamic state in order to excite the energetic manifestation of fundamental particles. In modern technologies, this is often done through collision, a sharp destruction of natural bonds and states.

These methods cause negative consequences especially for living systems. Therefore, the development of technologies based on new scientific principles are necessary for humanity and protection of environment.

Thus, based on scientific achievements, we search for more advanced methods.

2. Discussion on Time Mechanics and Time - Energy principle.

Consider the experiment on control of the Time processes in a technological system. According to the Equivalence principle of A. Einstein, **Energy is Mass.**

According to the Equivalence principle of G. Shipov - **Energy is Rotation of matter**. The Rotation of matter creates different types of Energies - internal and external.

The scientific principle of Energy-Mass equivalence has led to the creation of atomic energy, a reaction resulting from the technology of elastic scattering in the fields of nuclear forces, or various technologies for exciting the kinetic energy of a target nucleus. Combustion technologies with explosive effects cause many undesirable "fragments" and environmental effects: sound, light, and of course, dangerous "Time-accelerating reactions". They affect biological objects over large distances.

The equivalence principle "Energy is created by the Rotation of Matter" could be seen as the energy is created by the rotation of 3-dimensional gyroscope (3-D gyro). As a results traction force is generated and causes a phenomenon of significant weight loss by 3-D gyro. A next level of technologies, based on new physical principles, allowed to create a new Propulsion System (PS) with a new type of motion. The motion is caused by the synchronized Time control of internal multi spatial components. The center of mass of PS is propelled to another Space-Time continuum. [12]

Thus, continuing Shipov's equivalence principle, we can assume that **Time is Energy**. Since Time is a physical object with physical properties (it has a rotational nature), following the Shipov's Mechanics, Time matter can create different types of energy - external and internal. To prove this, we will conduct an experiment.

For our experiment we will choose an accessible object - an ordinary electric current from the network, consisting of a flow of electric charges.

For Time processes control we will design a technological system - a method and apparatus to control the Time states and phases of fundamental particles. Since the method and apparatus are in the process of patenting, we can describe only the process of experiment and the results.

2.1. "Time - Energy" Probe

Aim: Using technological control to excite the Time states and phases of fundamental particles to obtain their energy.

Object: electric current from a network: voltage - 220 volts, alternating at 50 cycles per second.

Measuring instruments in the Laboratory:

- Pyrometer iRTec
- Geiger meter RADEX 1500+

Tested Apparatus: Vacuum Torsion Generator, VTG, 100 Watt

Procedure of the Experiment

1) Before turning on the VTG apparatus the following measurements in the Laboratory were done:

- temperature of the air and water (tap water in the container next to VTG);
- radiation background of the air and water (tap water in the container next to VTG).

2) Turn on the VTG device for about 50 seconds (for a short time for safety reasons).

Plasma and its rotating vortices appear at the tip of antenna.

Perform possible measurements during the operation of the device.

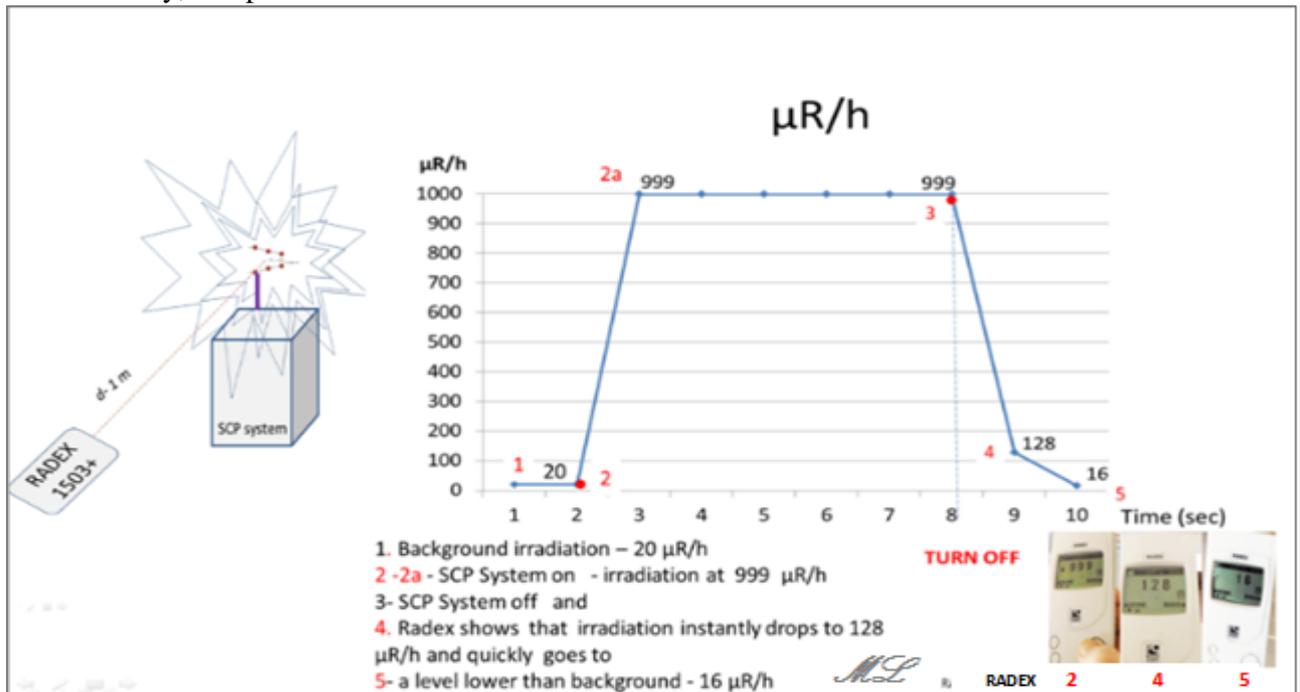
3) Turn off VTG apparatus and perform the environmental measurements in the Laboratory.

Results of "Time - Energy" Probe

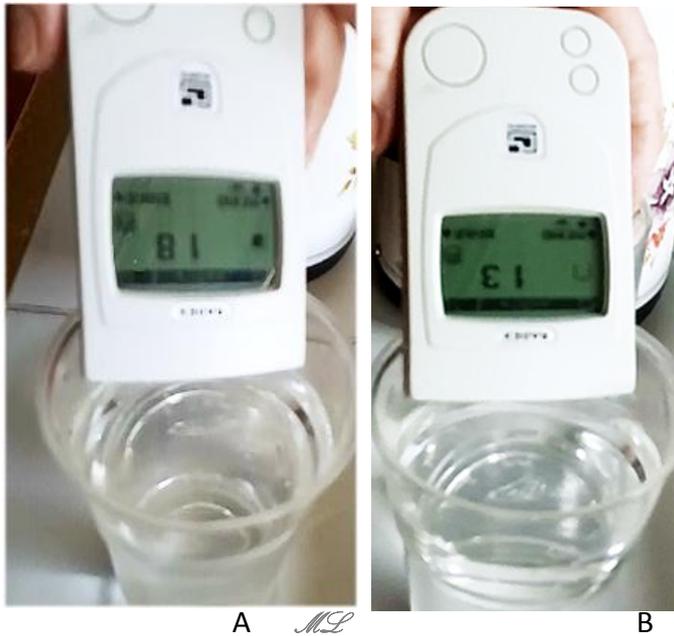
Procedure/ Data	Before VTG	VTG is ON	After VTG is OFF
	is ON		
Temperature of the air in the Lab	29 ⁰ C	Not done	29 ⁰ C
Temperature of the water in the Lab	24 ⁰ C		23 ⁰ C
Radiation background - Air	20 μR/h	SCP Plasma 999 μR/h	16 μR/h
Radiation background - Water	18 μR/h	Not done	13 μR/h
Temperature of Energy produce in t ⁰ C	Not done	Super cold plasma with temperature well below 0 ⁰ C: minus 60 ⁰ C and lower.	Not done
Rotation of Propeller (set free on needle of antenna) by vortices of particles (working body)		About 7000 rpm (Consumed power about 100 Wt - not used more than that due to safety)	

Table 1. Results of the experiment "Time-Energy"

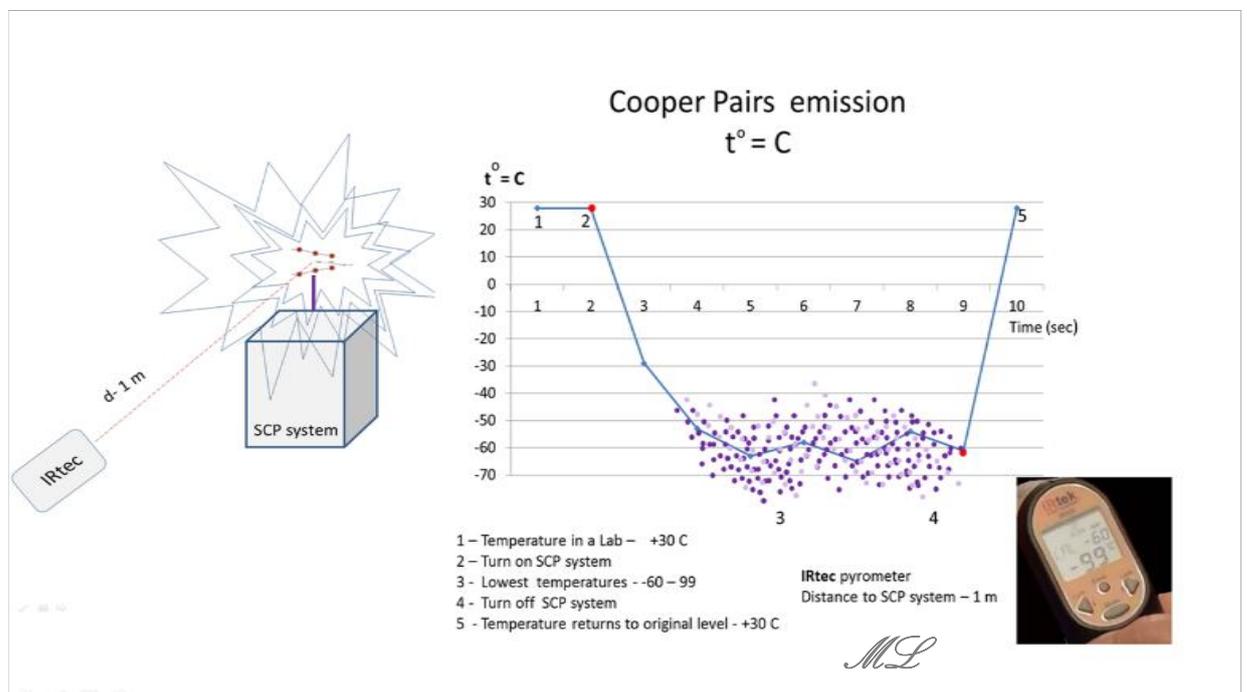
Schematically, this process looked as below



Picture 2. Visionary concept of Experiment to measure the energy states using Geiger meter



Picture 3. Measuring water (A) before and (B) after Experiment using RADEX 1500+, Geiger meter:



Picture 4. Visionary concept of Experiment to measure the energy states of particles (Cooper pairs) characterized by negative temperatures using iRTec.

2.2. Results

By applying the Mechanics of Time, it is possible to get Energy that is manifested at several levels:

1) Emission of charges of fundamental particles characterized by negative temperatures within conditions of room temperature (negative energy, superconductivity).

2) Emission of Alfa and Beta particles, sub nuclear charges (without use of radioactive materials)

3) Acceleration of the decay of Alpha and Beta particles in the atmosphere and in the liquid.

"Time - Energy" Probe: The resulting energy is called U-Energy. (U-energy) in association with the manifestation of the potential energy of Time.

3. Discussions on Time Mechanics in the Living systems

The Energy of Time creates the Field of Time, participating in the evolution and interaction of living matter on different planes and different levels.

Field of matter was interpreted by E. Schrödinger through the wave function ψ . Moreover, he proceeded from the known relation $\rho = e\psi * \psi = e|\psi|^2$, where ρ is the density of charged matter (according to the Copenhagen interpretation, is the probability density to find a particle at a given point x at a given time t), e - charge. If we denote the density of the field of Living Time Matter as ρ_t , then the formula can be written as $\rho_t = e\psi * \psi = e|\psi|^2$. This formula can be used to measure the optimal functions of the psychophysical state of a living system.

Previously, applying the principles of Descartes' Mechanics, in "Mechanics of Living Systems"[10] the author has shown how motor processes created energy centers and how they were controlled in living systems from the point of view of the principles of Psychomechanics and Mechanics of Time. Interactions of internal spatial structures and the sequence of control of hierarchical levels of living systems were experimentally investigated.

Analyzing thousands of the most complicated diseases over the course of two decades, the disorders of the Time mechanisms in their systems were seen as their main causes of those diseases.

Living Time begins its psychophysical cycle of formation of a living system, from the moment of conception of the fetus (or perhaps earlier, when the parents begin to dream about their babies - as extensions of their lives), and continues until the phase when the physical body ceases (or changes) its functions. With age, many life processes in the biological system slow down: heart rhythms, cell respiration cycles, hormone production, tissue regeneration processes, etc.

The perception of the inner and outer worlds changes while aging and a feeling appears that Time "flows" differently.

3.1. Time and Supercausality

During childhood the internal Time dynamics is Pro-life and all the psychophysical processes are faster. The Time of the outside world is perceived by a child as flowing slowly due to the fact that the child does not have life experience and knowledge, and faces life challenges. Awareness of Reality of both internal and external worlds are in the active phase of evolution at all levels.

As long as a certain life experience and knowledge are gained, a person may lose motivation for further self-development and evolution. He may fall into a passive zone, creating his comfortable existence, illusory and convenient pseudo-equilibrium, when mental inertia becomes physical inertia. Perception starts to be regulated by a person's past events, and the awareness of Reality narrows, thus pseudo-reality does not allow new information in. Hence it seems that the Time of the outside world "flies" faster.

However, in those moments when a reason appears, motivation will arise and activate his participation in some necessary event. Therefore, a person "wakes up", the internal Time is

activated, the certain psychophysical processes are also accelerated (Ego, Psi, etc.). Then he will perceive the Time of the external World as slowing down.

The interaction between Time and Super causality is noted. The loss of the super causality of the self-development of the system leads to the loss of control of Time functions. The system is "aging and decomposing."

3.2. Time: Focus of Synchronization

In order to facilitate understanding of the complexity of Psi processes, the author created a Psi cone that shows the focus point of Real Time, where the perception of External World Time meets the Time events of the Internal World of the living system. The graphs of the Psi cone (Fig. 5) show the focal point O, which represents the "imprint" of the neural events of the internal system (individual perception, state of consciousness). The stream of Time is perceived by human consciousness as "always now." The "arrow of Time" is connected with the perception of Real Time and aims from the past to the future. The stability zone, colored in yellow, indicates the level of optimal functions of the living system. Retardation or acceleration of the neural signals are associated with disorders or diseases. Mathematically they can be described as Time Matter and Time Anti-Matter.

The colored bars in figure 5.A, 5.C are associated with different types of neural signals representing the set of Psi and mental states of the "I" system.

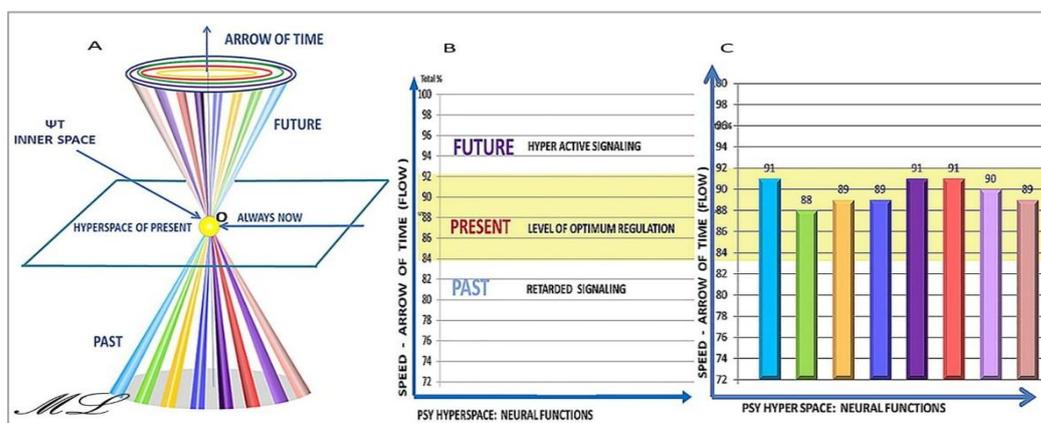


Fig. 5. A. Focus of synchronization of living systems at the point O (PSI space); B. Zone of optimal (healthy) functions (yellow color), C. 8 colored bars represent Matrix of neurosignals associated with the variety of mental states.

Hyperspace topologically contains Real-Time information of the external World. Focus point O contains the information of the inner World. Focus point of PSI cone unfolds its inner plane and turns it into our workspace (B). The inner space of the PSI is where we can analyze neural paths. In (C) Colors indicate the Matrix of neural signals representing a variety of mental states. The yellow colored range in (B) and (C) means the optimal (healthy) level of regulation of psychological conditions. [13]

3.3. Time Code

The stability of a living system is determined by Time synchronization of all functions of the total living system, both within the system and with its outside world.

Total living system includes its Time, Psi and physical states and functions. Total living system is a part of Maternal planetary system (Earth), governed by Celestial Mechanics.

Time Code is an interconnected and synchronized process of manifestation of Time states as matter, energy, field.

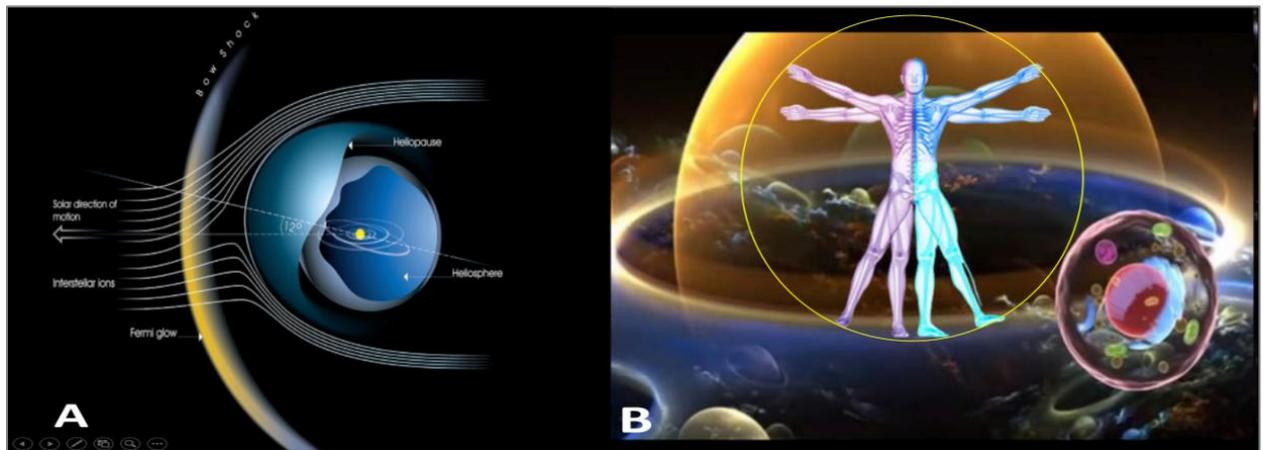


Figure 6. Time is most Universal property for every system and unique in its multidiversity: A. Heliosphere, B. Earth, Human, micro-cell systems.

Looking at the picture, the Time interaction and interdependence of objects becomes clearer. Each of the objects depicted above has an internal Time and “protects” the stability of its internal space (*Heliosphere*), including the corresponding subsystems. The phases and cycles change.

Systems that cease to be complementary and cease to operate in accordance with the principle of Super-causality, move to another phase or are removed from the mother system. All systems create a common Reality (Real Time) of being in nested or parallel worlds balanced by Matter and Antimatter of Time. This sheds light on the laws of conservation and synchronization of interactions in Nature.

3.4. Time: Man and Earth

NASA's TWIN research project has revealed unique data on how the external environment affects living systems: slowing down the rotation and spontaneous folding of proteins, genes, molecules, affecting the interaction of internal forces, etc.



Figure 7. Field of Living Time Matter on Earth and in the Earth's orbit : The identical twin astronauts, Scott and Mark Kelly, are objects of NASA TWIN research: about 7% of Scott Kelly's genes may have permanently changed their expression after being in space.

The long stay of astronauts in the Earth's orbit has influenced their biological processes that took place with them on Earth, i.e. in their habitual living zone. The processes were verified with twin brothers. After a year in space an identical twin brother had a number of changes: telomere folding changed and significantly lengthened, the mental processes of the astronaut also changed, and his body began to age faster, etc. When he returned home, those processes partially recovered.

These changes occur due to the difference in the density of the field of Living Matter of Time on Earth and in the Earth's orbit and the impact on the human psychophysical system dependent on the external environment. Everybody feels the Time of the Inner and External World as well as the difference between them. The difference in Time Zones on Earth is also felt by a person when travelling, which affects the focus of synchronization of internal events. (Fig. 5.A)

3.5. Time: Birth of "I"

The moment of a person's birth is very important and forms his Future. It is determined by internal time, readiness of energy reserves of Fetus. It happens, when the fetus has "ripened" for independent existence and is full of strength to make its unique leap into the new world.

In the modern world, mothers are increasingly choosing an "easy", passive way of giving birth to a child using the Caesarean Section operation. According to statistics, in some hospitals in Thailand this method is preferred in 90%.

The operation of the Caesarean Section is usually planned a little earlier than the natural time. Consequently, it may happen that the fetus is not ready to leap into independent life.

We interviewed our participants about the method and date of their birth. The following picture was revealed:

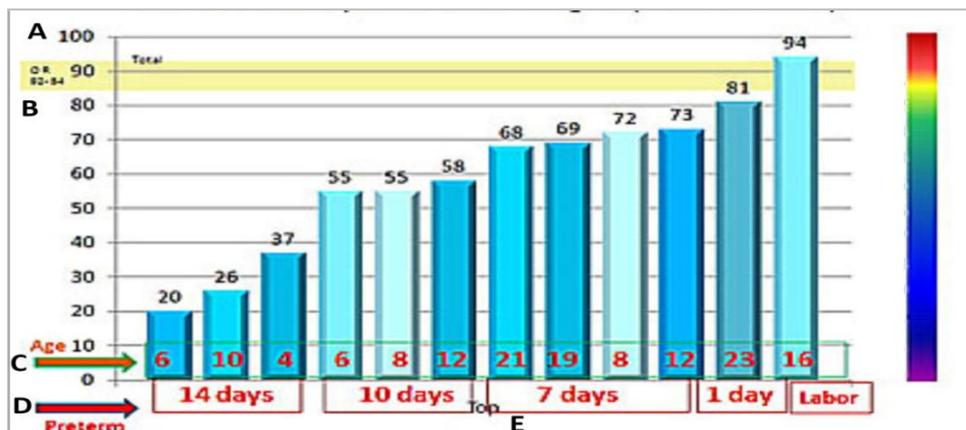


Figure 8. Time: The Birth of "I". A group of participants born by the Cesarean section and expression levels of neuro-signals of their immune systems NS-1 (bars marked in light blue). A. Expression of neuro-signals, B. Zone of optimal functions (marked in yellow color). C. Age of participants. D. Preterm birth before the natural birth date.

Our clinical studies have shown that the premature birth using Cesarean section causes long-term, most often lifelong, disorders of the immune system and other vital dysfunctions [13]. Such immature states often lead to autism or various immune disorders. Immature Immune system due to retardation of Time processes leads to retardation of psychophysical functions: control of inner events and perception of the external world. We can assume that part of the neural signals was not manifested and not synchronized at the Time of Birth. Personal "I" was not "born" or still is in a

phase of Time anti-matter, when RNA do not have sufficient information for DNA and vectors for protein folding, etc.

For a healthy system the moment to enter an outside world from the mother's body is a manifestation of baby's active phase of his mature psychophysical system. And in the mother, "separation" with the fetus is accompanied by depression.

In one case the immune neural signals were not inhibited (Fig.8). This participant (rightmost) was born with the help of the Caesarean Section after the labor began. The operation was performed on medical grounds after 16 hours of labor. This participant was healthy, aged 16, but always easily felt stressed.

For comparison, we present the different types of neural signals of the immune system:

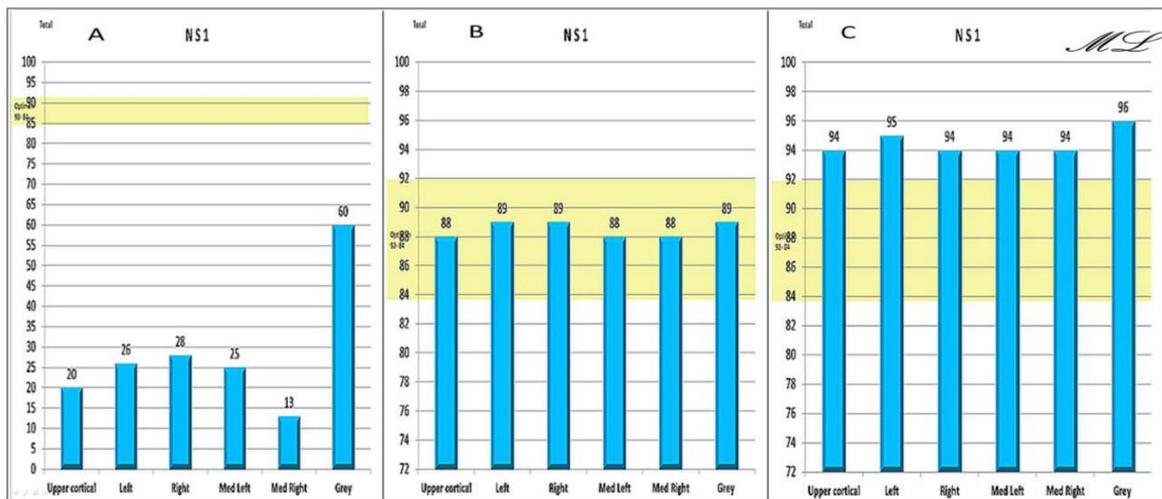


Figure 9. Comparative level of Time functions of immune system: (B) Normal or an optimal level is observed in a healthy participant; (A) Retarded - in a 6-year-old child with severe autism after Caesarean section (A); (C) Accelerated - in a participant after few years of chronic stress. Such conditions are usually associated with the development of diseases such as stroke or cancerous tumors.

3.6. Stability of Time states and phases. Time synchronization of the inner dimensions

Let us turn to cases of accelerated expression of neural signals and revise the subordination in living systems.

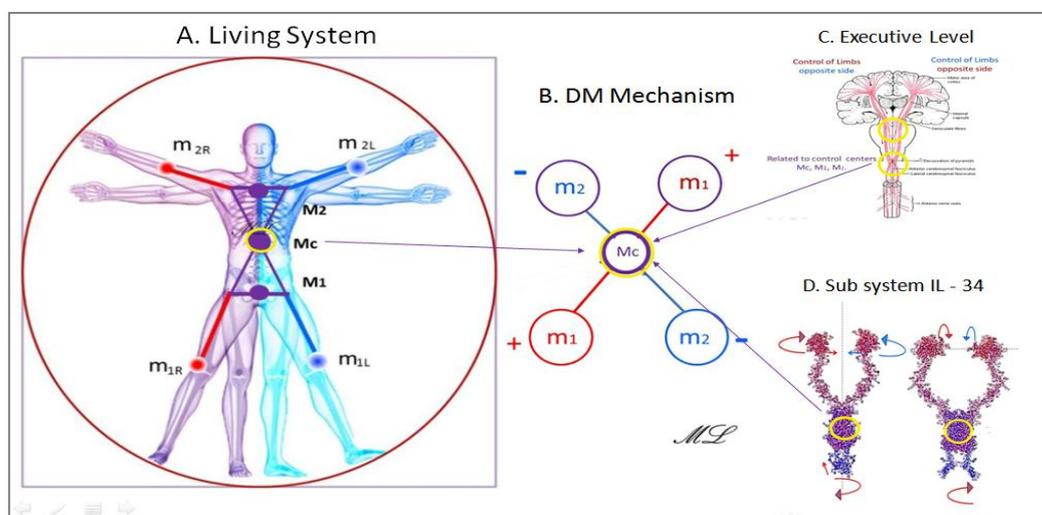


Figure 10. Time synchronization of the spatial structures: A. Spatial structures of human motion system, B. principles of Descartes' Mechanics applied for compound systems, C. Executive level of Motor Cortex, D. motion structures of IL34 rotate according to DM principles.

Fig. 10 shows the principle and mechanism of interaction of the structures of a living system. You can clearly see how and which structures interact with the acceleration or retardation of neural signals. For example, in case of acute stress the transmission of neural signals excessively accelerates and may lead to a "blackout" of some areas in the Motor Cortex (Executive System). It might result in a stroke. DM mechanism shows that the "blackout" of a signal in the left hemisphere will cause blockage of the signals to the opposite part of the body (right) and disrupt mobility and vice versa.

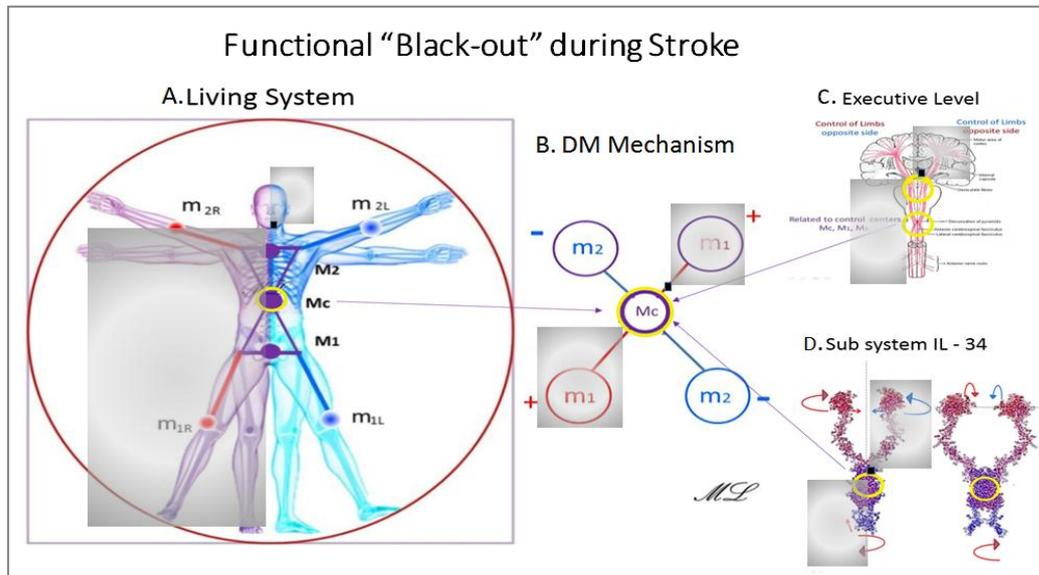


Figure 11. Zones with phases of blocked neurosignals are marked in gray.

Disruption of executive signals affects not only the physical movement (arm, leg, etc.). It will inhibit the transmission of an executive signal to the internal micro structures.

For example, it is known that most cases of stroke are accompanied by diabetes when the level of "sugar" in the blood rises.

Let's analyze the spatial micro structure that regulates glucose - the insulin receptor - Interleukin 34, IL34 [11.C] Receptor IL34 is formed by two mirror parts, including two α -structures and two β -structures, similar to forceps that rotate and "pinch off functional pieces" from the glucose molecule. [14]

Interruption of neural signals from the higher hierarchic orders of the Executive system leads to the loss of potential energy of microstructures including IL-34 receptor. Therefore, the receptor's ability to bind and control the rotational movement of its "forceps" is impaired. The receptor loses the ability to process glucose molecules. Thus, undigested glucose cannot penetrate the necessary cells and remains in the blood stream, mitochondria do not receive energy, and the patient's general condition is interpreted as diabetes. When the Time control of signals is restored, the metabolism will also recover and the level of "sugar" in the blood, as a rule, normalizes.

A remark: With an additional look at how the insulin receptor is structured and given the analogy of its controlling systems with the DM mechanism, it becomes clear why walking can regulate the level of sugar in the blood.

The immune system depends upon precise regulation of Time processes. Their inhibition or acceleration lead to psychophysical disorders or diseases. Synchronization of control signals of

Total system stores potential energy in its microstructures, enhances cellular regeneration and regulates metabolism.

3.7. Time: Creating one's Future.

Earlier, the observer's Psi effects on quantum phenomena such as light scattering and others were mentioned. Psi phenomena are of great interest to theoreticians and researchers, but this area of study does not yet have a definition of matter of consciousness, forces or fields of consciousness, and even the concept of space is still limited to three dimensions. Thus, we try to contribute our theoretical and practical research to expand understanding in this area.

Using an example from our previous work [10], we turn to the "Hate-Happiness" probe on extreme Psi states.

"Hate-Happy" Test

Healthy people were asked to recall the happiest and most hated events in their lives. According to the protocol, their neural scans were obtained (similar to EEG scan) before and after "A minute test on remembering the happiest event in their life".

A similar protocol was carried out before and after "A minute test on remembering the most hated event in their life".

The comparative results of our experiment with the power of thought revealed that every minute of positive thinking activates the endocrine system: hypothalamus, pituitary, pineal gland (Fig. 12.a) by about 5-10 percent. Each minute of negative thinking sharply slows down the endocrine system: (Figure 12.b) down to minus 45 percent, resulting in severe headaches.

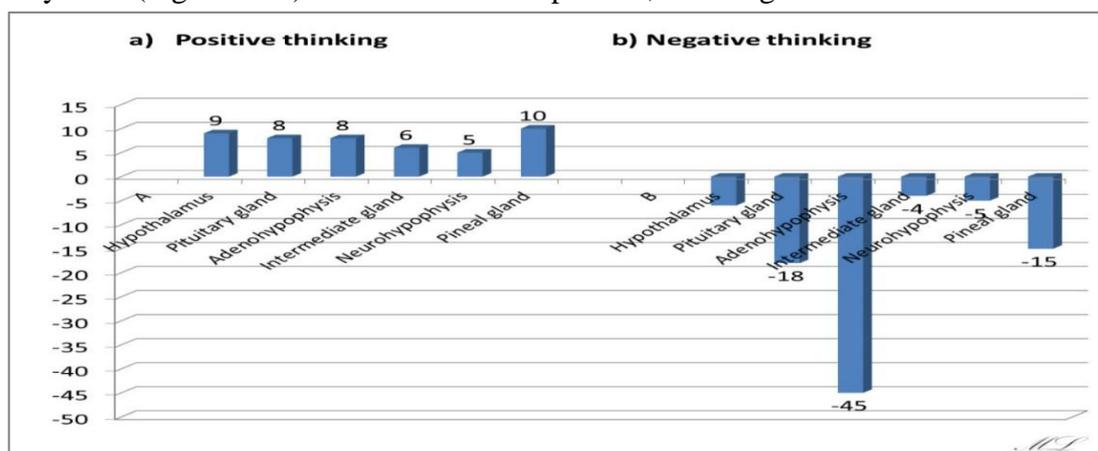


Figure 12. A Probe to study the influence of extreme PSI effects on physiological states. "Hate-Happy" probe results: a) Happy thinking: One minute of positive memories of the happiest event activates the endocrine system up to 5-10%; b) Negative thinking: One minute of negative concentration of attention on the most hated event suppresses the endocrine system down to minus 45%, followed by headache.

The difference between the results was impressive.

Every minute of negative thinking drastically slows down hormone releasing processes. We observe that the negative thoughts of "Hate" act as Anti-Life and stop the formation of the Time Living Matter, the Living Time Energy. Negative thinking destroys both the stability of the Internal World (Psi and physical) and the perception of the External World. The perspective Future of such a system would not appear healthy if a person experiences such events frequently.

Every minute of happy and positive thinking activates the living structures and improves the living processes, acting as Pro-Life. This reveals a secret why happy people recover faster.

Knowledge of the subtle processes of the manifestation of Life helps a person to implement his living plans (causality). It turns out that a person can participate in the creation of his Future!

Questions about the Future are related to Supercausality. During childhood the consciousness develops evolutionary, perception of the world widens as the young people are motivated to study life. Elderly people experience a decline in motivation, Time processes are slowing down and the aging begins, i.e. living system disintegrates. In the language of the Universe, life without a core essence does not have the energy to create its own Future. Thus, the Present reality forms Future states.

An understanding of the mechanics of aging and the development of disease is important for the development of medical research and healthcare technology. We need precise diagnostic methods to search the causes of diseases and then to develop effective individual treatment.

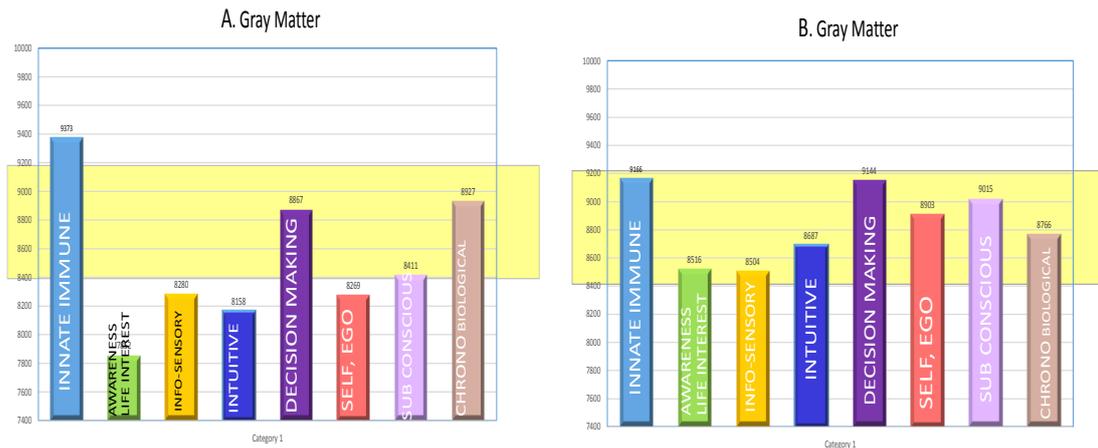
Let's discuss some specific examples.

4. Discussions on Restoration of Time control in a living system

4.1. Psi diagnostics and rehabilitation after a critical state.

We have mentioned above that we find the causes of most diseases originate from the disorders of the Time mechanisms. Therefore, our method of Psi diagnostics helps us to visualize the stability (balance in Time) of mental states as a neural matrix scan.

Studying the neural matrix of a 35-year-old (not elderly) participant, we can see that most of his neural signals are retarded (Fig. 13.A.). Such number of negative indicators look strange for his age. retardation of life awareness, interest in life (depression), info-sensory system, intuitive perception, feelings of "I" (Self, Ego), subconscious awareness.



Picture 13. Comparative Time states of neural matrices. A. Before therapy: 6 neural signals are abnormal out of 8 due to effects of neurotoxins. B. After therapy.

Fig. 13 shows Neural Matrix where 6 neural signals are abnormal out of 8. First bar (blue color) is associated with prolonged stress and is associated with hyper functions at the molecular level. Other bars (2,3,4,6,7 correspondingly green, yellow, navy blue, red and lilac) related to retardation of the specific Psi states.

The physical appearance of the participant revealed swelling of the face, eyes, general swelling and redness of the skin. The functional diagnosis at a glance indicated an unhealthy state of the liver, kidneys and heart rhythms.

According to the participant, he took medications that dramatically worsened his condition. He got Angioedema (Quince's edema) twice.

Our diagnostics revealed tendency to cirrhosis and tendency to cancer in several organs (brain, stomach, etc.).

The origin of his disorders: smoking and alcohol in combination with alpha and beta blockers, various food supplements - all those worsened the functions of the entire physical system, affecting the psycho states.

After a course of treatment and the application of methods and technologies to restore the temporal functions of the body, this participant began to recover quickly, stopped smoking and drinking alcohol, etc.

Five days later, all indicators returned to almost normal. There was a hope that he would not dare to risk his health because of the fear of being in the same condition again or in much worse.

Here it is necessary to note the importance of the work of a strong clinical psychologist who must be able to restore the patient's internal Time mode, Life Awareness and Will Power in such complicated cases with Psi disorders and neurotoxicity. Only the recognition of the value of one's Life Time and the restoration of the Willpower of the patient makes such a recovery possible and **only once**.

4.2. Partial rehabilitation after a critical condition.

Complex diseases could be cured only by restoring the entire psychophysical system, starting with Time control. The result of such recovery is usually revealed at all the levels, including the molecular level.

Below there is a sample of a life blood cell test (Picture 13.A) from a 62-year-old participant with terminal Lung and bone cancer. (Some hospital requested for a possible help to relieve the suffering of a suffocating patient).

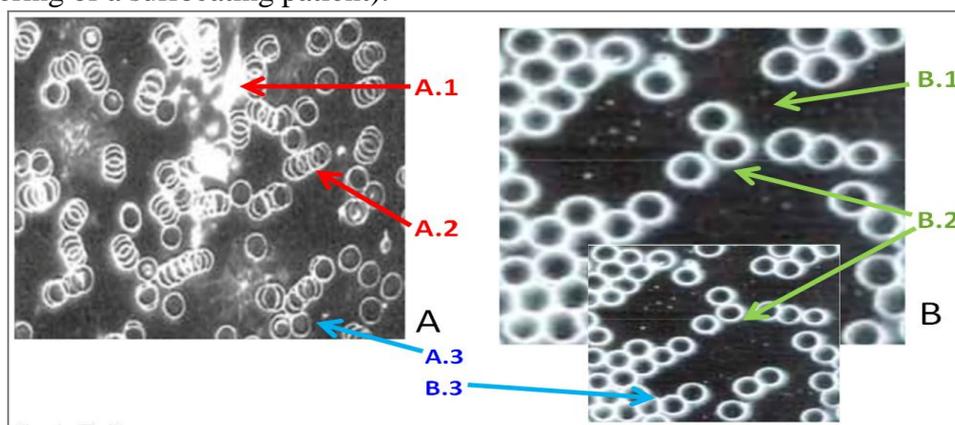


Figure 14. A. Life blood cell test of a participant with a lung cancer: A.1.unhealthy cellular growth and broken materials, A.2. weakening blood cells; B. After 10 days the tests of life blood cells functions revealed improvements: B.1- no growth, no broken cells (no "food" for viruses), B.2. Blood cells emit energy, A.3 & B.3. comparative sizes. The second image was enlarged for a better view the cellular components. (The life blood cells tests were done by the patient at an independent clinic).

The revealed origin of patient's disease was caused by frequent use of colon cleansing with coffee over a period of 8 years (5 times a day). Then followed colon cleansing with Lingshi spores over the last 6 months as well as large oral doses of capsules with Lingshi spores (8-10 capsule per time, 3 times per day). Cancer developed into a terminal stage in only 4 months. Life forecast by the hospital administration was for maximum 2-3 weeks.

The course of treatment included a subtle synchronization of Time processes and was carried out for 10 days. From the very beginning of this course the patient was able to relax and breathe. The patient felt much better after few days and changed all his habits. An important role here also belongs to the expertise of a clinical psychologist, helping the patient to believe in the Power of Mind and Power of Will to live on. (Later we learned that the patient survived for about 2 years).

IV. C. Results

According to statistics, the optimization of Time functions gives visible results quite effectively – starting from few days, depending on the type, period and severity of the disorder. For example, rehabilitation of motor functions after a moderate stroke occurs gradually over a period of 3-7 days and improves further, if treated quickly. The results of rejuvenation are observed after 10-20 days. Participants feel that the mental processes are activated, perception of life is more vibrant and brighter, the skin appears to look more glowing and healthier, movements become lighter and gain more freedom. Statistics of positive performance is over 90%. There are no side effects whatsoever. But there is a need to remark that the participants, who use antipsychotics, neuroleptics for over 10 years, have difficulty to recover.

At present many rejuvenation technologies are developing. These methods are associated with the partial replacement of blood cells, other biological material from other bio systems that have a different Psi database.

Recoding DNA or RNA information, CRISP are still at the level of laboratory research and grants. Their research Data is still being debated due to incomplete understanding of the processes and unpredictability of mutations in patients.

An understanding of aging requires a more accurate understanding of how living systems work. The Aging process can be defined as the loss of Time control over the psychophysical functions of the living system, the loss of super-causality (the deeper meaning of life and interaction with the outside world), which eventually leads to the degradation of the biological system: decrease in the adaptive capabilities of the body followed by development of pathologies, etc.

Hence, on the Road to +Health and Rejuvenation the methods should be based on the restoration of Time control over the psychophysical functions of the living system and super-causality (the deeper meaning of life and interaction with the outside world).

Conclusion

In our article, we present a new concept of physical nature of Time - as matter, energy and field, based on fundamental research by leading scientists and our experimental results. The author uses own experience thanks to the participation and sponsoring of the experimental work of G. Shipov since 1999, as well as over 20 years of experience in the field of clinical psychology, biomedical research of neural signals, mental states and clinical trials.

Our studies have shown that, developing A. Einstein's equivalence principle in mass-energy, G. Shipov's equivalence principle in rotation as an energy source can extend them to the Time-Energy equivalence principle. By controlling the temporary states and phases of fundamental particles, it is possible to generate the energy of subatomic components without the use of radioactive materials. The generated U-Energy uses the energy reserves of subatomic potentials, expressed superconductivity, super cold temperatures and other useful properties. This approach to understanding the Natural forces allows to create new energy technologies without destroying

Nature, without wastes that threaten the ecology of the planet and the foundations of human survival. Destructive theologies are created due to incompetence and inertia of thinking. In this regard, the statement of A. Einstein, cited at the beginning of the work, is becoming increasingly relevant.

A new approach is used to develop new technologies in the field of medicine and healthcare: accurate diagnosis of psychophysical conditions, personal treatment, life extension and rejuvenation.

In substantiating our approach, we discussed a wide range of important topics related to the structure of living systems and their dependence on the Time order, super-causality, and adduced some studies on the creating one's Future. All studies were supported by clinical studies.

Time is involved in the formation of any matter and acts as the connecting link for any process. For further evolution of a person's consciousness he/she needs the knowledge about Matter of Living Time, Energy of Time and the Super-Causality of one's Being, so that, remembering the experience of Past, one can create his own Present and Future without regret of wasted Time for oneself and for the Universe.

13.12.2019

Author Disclosure Statement

The above work is an original research and has no conflict of interest of any kind.

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