

"THINGS THAT HAPPENED BETWEEN THE DARKNESS AND LIGHT"

Paolo Manzelli <pmanzelli.lre@gmail.com>



Academic science is very slow in recognizing its limitations.

In spite of this the changes of the fundamentals of thinking are historically determined by social and economic needs that require new cognitive structures, opening new fields of science and a broad conceptual reflection in social policy of change.

In the era we live focused in the transition from industrial society and the knowledge society "time" is traditionally regarded as a succession of a before and after in fact is defined by mechanical science in terms of a directional arrow going from past to future.

This concept of passing time with a universal direction that remain identical in every place and for every observer, forbids to think at the existence of events "simultaneous" , which can only happen casually ,e.g. without any clear relationship of causality between them.

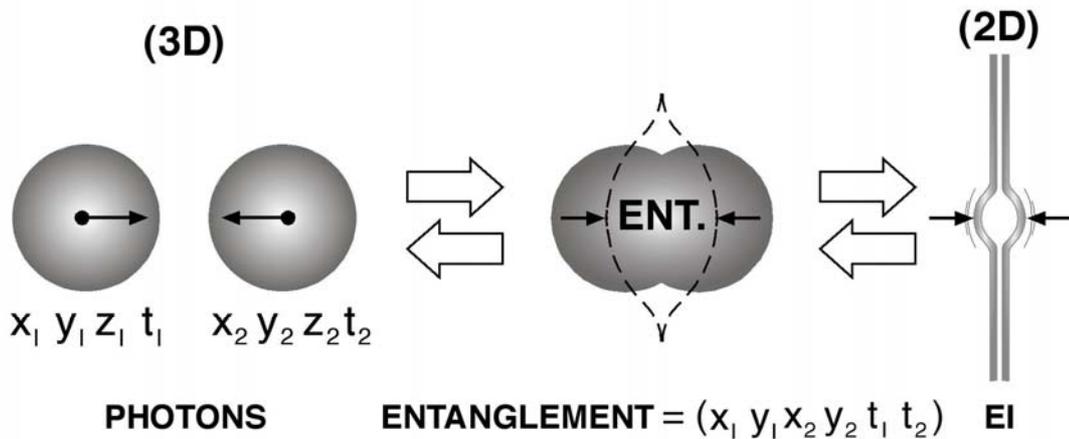
Overcoming the unique concept of time, gained during the industrial era, is now a challenge of great importance for the understanding of life sciences to begin by understanding the perception of the brain. (1)

For example, modern science should realize that the experience of the perception of the rising sun and the sunset, really is almost simultaneous, but contemporary science prefer to think that the vision of the solar disk late about 8 minutes. So instead of validating the perceptual effective experience traditional science prefer to keep the limited concepts ,do not taking into account plausible alternatives.

A reasonable explanation for the simultaneous viewing experience of the perception of sunshine in sunrise and sunset, can be possible through understanding ,that between the sun and the earth are "not" propagating photons. In fact because of **quantum entanglement** of the photons emitted from hard-halo of the Sun, become formed by shock at the speed of light, *a field of simultaneously information*, extending into space from sun up to cloak of air surrounding the earth , where happen the process of **Dis- entanglement** of photons. As a matter of facts photons leaving the sun, moving near the speed of light, lose their kinetic mass ($m = E/c^2$). Thus photons deprived by their kinetic mass can penetrate themselves generating an energy field, so that can be possible to create an extensive information simultaneously (divided into sub-areas of equivalent -information "**EI**"), which later breaks for regenerating the photons interaction with air molecules, thus occurs near the hearth resulting in a cascade photon that illuminates the sky, previously dark in absence of light.

The above alternative conceptualization follows amore complex reflection that takes into account as world the perception in the brain; o that the previous explanation do not merely follow an antiquated mechanical model of science traditionally based on the arbitrary separation between subject and object of perception. (2)

PHOTONS → EI - FIELD TRASFORMATION



Legenda

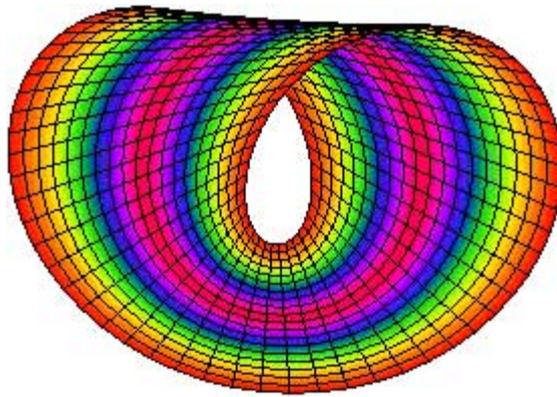
EI = Information Energy Field
ENT. = Over position α mass interference
3D = Three Dimension
2D = Flat Dimension

Note: [Figure represents the gradual transformation of two photons within an Entanglement process become able to penetrate the World of Euclid, creating a two-dimensional information fields oscillating in space and time, generating \(EI\) simultaneity information field. Those who are interested, a more comprehensive explanation, the alternative model involving the formation of the Energy Information, can found a more precise considerations in the following Webs : \[www.edscuola.it / lre.html\]\(http://www.edscuola.it/lre.html\) or reports by Paolo Manzelli in \[www.wbabin.net\]\(http://www.wbabin.net\)](#)

The phenomenon of generation of Energy Information Field (**EI**) is important in the study of new properties of light (and sound) in nano-optics (or nano-acoustic). Those scientific new areas are open to new perspectives for the development of the knowledge society (4). Nanophotonics deals with the interaction of light with substances or particles on the scales of sub-wavelength (subwavelength) interacting with nano materials, and also with the DNA and protein enzymes. Therefore, the Nano Optics (ie the Nano Photonics) are supported by the study of new properties of light on nano-scale and bio-genetics, leading to an overcoming of the concepts which was based the traditional optical section of classical physics, the last in fact describes only the behavior and properties of light in interaction with matter at the macroscopic level.

The conceptual innovation of science today is focused on the phenomenon of conversion of energy (EI) generated by 'quantum entanglement (5).

In fact under all conditions of confinement photons (or phonons), quantum particles of light (or sound) can penetrate themselves generating the **Quantum Entaglement Effect**. This effect produces the phenomenon of superposition of older states described with Cartesian coordinates (XYZ, T) and leads to the creation of a new form of light energy (or sound) produced by a two-dimensional plane wave living in space and time (XY, T1, T2), which contains the energy information simultaneously. This generation the sandwich of "EI" is very important at biological level in fact we find EI in the functional structure of nano-metric double-stranded DNA; so DNA can be considered as a container of stationary Energy Information, that is able to preserve the genetic information, (keeping constant (just following properties of simultaneity of EI information), across all the length of the DNA molecule that consists in two bio-electrical components oriented in the opposite direction like in a Moebius strip (6).



<http://img133.imageshack.us/img133/7324/mobius3yb4.jpg>

Finally, the importance of the phenomenon of Quantum Entanglement, is consistent with the new properties emerging from the entangled systems that help science to develop new communication protocols at nano-metric systems, that have no equivalent in the previous concepts of interaction between light and matter processed by the notions of classical or quantum mechanics .

In conclusion, from a cultural point of view, the quantum entanglement works as a conceptual renewing of the relationships among past, present and future. In fact, for modern science, seeing the stars we read the past while for the ancient astronomers to read the stars foretold the future. This contrast brings us back to a well-known paradox that answers the ancient question: **"because if the sky full of stars, why I perceive it as black?"** To answer such a question science has used some replies "ad hoc", saying: a) because we are not able to see very far into the past of Universe, probably the light coming from ancient stars, remaining invisible and thus contributing to make the dark sky.; b) in addition, the sky appears black because 'he expansion of' Universe since the initial Big Bang, results in the variation of the lwave engths of light passing from the visible to the infrared (red-shift) which is not more perceived from our eyes.

These explanations are not convincing because the astronauts orbiting outside the earth atmosphere still see the sky painted in black between the sun and the earth, so that the sun become visibly illuminated until photons, reaching the speed of light , at this time the quantum are transformed into an entangled field of **EI**.

The immediacy of our visual perception leads us today, via the theory of entanglement, to reassess the socio-economic transformation that we are living in this epoch. Becoming conscious of the importance of simultaneity in the present times of socio-economic globality, sharpens the consciousness of everyone, to be responsible under this need to become creative and to promote sharing of new knowledge to a new and more fruitful conceptual dimension of life today, that can give new perspectives on the innovative production and work for bettering our future on the basis of conceptual diversity with the mechanical science already obsolescent .

Biblio on Line:

- (1)- Percezione: <http://lameladinewton.it/science-news/articoli/intelligenza-visiva-percezione-del-colore>
- (2) -Luce e Buio: <http://www.edscuola.it/archivio/lre/giornoenotte.htm>
- (3) -Immaginario e percezione: <http://www.psychomedia.it/pm/science/psybyo/manzpercvis.htm>
- (4) -Nuove prospettive: <http://www.wbabin.net/science/manzelli83.pdf>
- (5) -Energy conversion : <http://www.descrittiva.it/calip/dna/BIOQPHY2.pdf>
- (6) -nano-photonic : <http://science.unitn.it/~semicon/presentations/intro-nanophotonic.ppt>

PS.We will discuss this refreshing perspective to the Quantum III * Bionet Workshop on Science and Art c / o University of Pavia (Aula Magna) on 24-SEPT-2010. More information on the W.S. may be required to: Maximum Pregnotato <maxp@quantumbionet.org> or : Paolo Manzelli <panzelli.lre@gmail.com>

