

SCIENCE OF BEAUTY: MIND CHANGING IN MODERN LIFE SCIENCE AND LIVING ART

Abstract –call for papers : <http://www.esof2008.org/#participate/call-for-proposals.html#sub>

To present science and the humanities of highest quality and relevance.

“SCIENCE OF QUALITY SERIE n° - 2”

“Transformations in the perceptions of time and space shape an new historical understanding of the world in order to amplify the level of scientific investigation of Bio-Quantum Physics” .

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EGOCREANET – OPEN NETWORK for NEW SCIENCE, is a pioneer effort to set up the “ Information Energy Codification” concept in order to develop an evolutionary way of thinking about improving scientific and cultural subject in the “SCIENCE of QUALITY” and enhancing a better understanding of life in the development of knowledge economy. (1)

The focus of the present paper is : MIND CHANGING IN MODERN LIFE SCIENCE AND LIVING ART, based on the relevant question : “ **are we sure of what we are seeing ?** “

As a matter of facts, contemporary neurology understands that the eyes are to be considered as external tools of the brain. So that the eye itself, is not seeing objective reality. In fact, the fundamental cognitive enhancement of brain studies recognize that seeing is a property of the brain's managing of light's signals in biological transformation.

Furthermore, the brain's perception can be re-interpreted by a Bio-Quantum Physics (Bio-Qu.Phys) as a product of the neuronal system, capable of generating , in reply to quantum particles of light, an external scenario describing probable body-matter interactivity. So that what we see is not an objective reality, because the brain-perception bring into being the construction of an interactive imagination to anticipate and estimate the possible interrelated actions between our movement and the environment.

As a matter of fact, the new concept of bio-processing of images, visualized as a probable prevision of dynamic human performance in the environment, is capable of generating a fundamental cognitive enhancement in science and art. In fact, the changes in the meaning of perception have a powerful impact on the evaluation of quality in everyday life.

The sharing of these new ideas originating in the Bio-Qu.Phys. of perception, will activate a vital strategy of survival deeply involving both contemporary scientific thinking and also the communication of feeling in modern art. Therefore Bio-Qu.Phys. research provides a new understanding about how quantum particles of light can be processed in a biological vision-construction by the brain. As a consequence, there is an opportunity to reconcile micro and macro sciences through a better knowledge of synchronicities in space- time transformations.(2)

Hence, Bio-Qu.Phys. allows going beyond the traditional shizm between science and humanities. During the past century they were considered separate fields. In this innovative cognitive process of entangled interactions between quantum particles and brain signals, it is also possible to re-evaluate the brain exercise of dreaming as an active construction of vision in relation to creating higher intuition and creativity in contemporary science and art.

Given that modern art and living science both deal with vision and cognition, the changes in the human visual system of knowledge are becoming very relevant in relation to the expected impact on the “science of quality” for a better life. In particular it is becoming important to open a fundamental debate on understanding the intangible knowledge economy, where virtual reality is becoming an effective expression of the global knowledge of society.

Minds are formed in the historical habitat of evolution of neuronal-plasticity of the brain. The new idea of perception is that it working as an evolutionary construction of the brain. Its time to begin a great debate about the evolutionary nature of mind-brain processes and about the meaning of what we are seeing as a living creation of what we are bearing in the brain.

For that motive, it is possible to add something new through the research proposed by the EGOCREANET- Open Network for New Science on the theme: “The Science of Quality of Life”. This innovative investigation can be identified as an entangled interaction between bio-quantum particles and the macro world, where it is becoming the central driving power in the “SCIENCE and ART of BEAUTY”.

Until now, contemporary science research is mostly related to “quantitative” strategies in experimental measurement of results, and the line of investigation of beauty is the only fruit of creativity in art.

In fact, looking to the past, when art and science were not divorced, as in the early renaissance in Italy, it is becoming possible to identify an antique chronological link with the new interdisciplinary integration of “Science and Art of Beauty” .

For instance Piero della Francesca (2) Between 1474 and 1482 wrote a treatise, “De Prospectiva Pingendi” , (“On Perspective in Painting”), where the aesthetic of two-dimensional pictures was related with the static viewpoint of the artist expression , developed in a linear perspective (3) , and where the beauty comes out of the relative dimensions, between the apparent three-dimensional distance of the painting and the size of the frame of the picture, corresponding to the “Sectio Aurea ” (Golden Section).

After the Italian renaissance, science and art substantially separated, and only some distant relationships can be considered between art studies: the ones about the relationships among symmetry/asymmetry of the beauty of forms, and at the same time, examination of symmetry and beauty. These studies have some conceptual links to thermodynamic research in order an disorder and about the efficiency of an engine in mechanical science.

More recently, only a few scientists, tried to discover the rules of attraction between chemical substances in terms of self-organization of collective response to changing auto-catalytic conditions in order to find the minimum of energy. For instance, we can remember the studies of the Nobel prize winner Ilia Prigogine on “Dissipative Structures” (4) that can be taken in relation to different modelling and folding techniques of molecules. This modern science of non-linear interactivity, makes the first move in re-establishing a relationship between molecular dynamics simulation and fractal’s algorithms to combine science and art(6). In the end curiosity , I remember that in 1970, research into the mechanics of nucleii of atoms employs, terms such as beauty, charm, and strangeness, only to signify the various properties of quarks.

However, the interdisciplinary integration of “SCIENCE and ART of BEAUTY” attempts to reveal an entirely new idea, coming from the endeavours of bio-quantum physics in living organisms. This innovative approach would stimulate an wonderful dialog in understanding the biological mind/brain evolution in constructing images of attractiveness, that can be envisaged as a creative strategy towards strengthening the power of the information energy in order to make a great impact on development in contemporary Knowledge Based Bio-Economy (KBBE).(7)

Finally EGOCREANET /ONNS would like to add something new to the science of life and the art of living integration .

For this goal, there will be programmed an international Seminar on SCIENCE OF QUALITY & KNOWLEDGE ECONOMY, that will be held in Florence (NOV.20/ 2007) , c/o Vieusseux Foundation, Piazza Strozzi 1, Firenze (It). This event would become a satellite event of Science and Art for a better life f the European open forum Platform . (8)in(*)

Note:

(Bio-Qu.Phys. is a new interdisciplinary field of science driven towards the integration between life sciences and quantum physics)

ON LINE BIBLIOGRAHY

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- (3) Linear Perspective : http://people.csail.mit.edu/fredo/ArtAndScienceOfDepiction/14_Perspective/perspective6.pdf
- (4) I.Prigogine “Dissipative Structures” : <http://order.ph.utexas.edu/Prigogine.htm>
- (5) Fractal science and art gallery : <http://www.fractal.org/Julius-Ruis-Gallery/Index-Gallery.htm>
- (6) Two-dimensional time in Science and art (in Italian) : http://www.edscuola.it/archivio/lre/tempo_bidimensionale.htm
- (7) BIOART : ART CREATING VIRTUAL LIFE: <http://www.ekac.org/transgenicindex.html>
- (8) ESOF-2008 - <http://www.esof2008.org/#>

