**Having the Courage of Your Perceptions**

**John Jupe**

**John.jupe@pacentre.org**

(ISBN 978-09551535-1-8)

We are fully embedded in the universe, our conceptual models of it aren’t and hence our instrumentation isn’t.

Sensory perception forms our *relationship with the real* and should guide us in our intrinsic thinking about the nature of reality, the structure of matter and our relationship to it. The visual and related physical theory contained in this publication did not arise from establishing the requirement for a new physical theory it grew from intuitive subjective research into the structure of phenomenal field (perceived vision) while keeping a weather eye on existing physical theory for links and problem issues. The enquiry leads to a new form of illusionary space (Vision-Space) but also ultimately to a realignment of physical theory in order to explain the *experience*.

Visual artists are immersed in the experiential encounter. If we ignore the value of intuitive record and build our ontology around objectivity from a conceptual understanding alone, we will be operating divorced from the realities of ‘meaningful’ objectivity.

How we perceive our world is reliant on perceptual structure and is watermarked by micro scale activity, its interface with the macro condition at the retina and then by how our visual system and mind deal with its onset. The reality of micro particle physics and its interface with a macro realm of operation forms an integral part of our perception of the world.

While vision ultimately relies on the input from the light array and what it can convey to us about our surroundings, we should not make assumptions about the nature of the information embedded within the input data and how it is used by the eye/brain/mind. It is important to study vision as *vision* to discover the nature of the data-sets involved and how they are managed and manipulated within phenomenal field. We must find an accommodation with the experiential nature of vision in order to substantiate important aspects of our relationship with the real.

A few key scientists have made significant and targeted inroads into the experiential realm in their own right by developing their own strategies in the form of approaches to experimentation. The Perceptual Awareness Centre (PAC) developed Vision-Space software[[1]](#footnote-2) in order to generate automated stimuli that conforms to phenomenal field. Using this image structure in place of the traditional ‘picture’ space or virtual reality provides a platform for making predictions and testing and evaluating outcomes.

We currently have ‘pictures’ of the universe and ‘pictures’ of the sub-atomic world. We need the insight to transform these to meaningful ‘images’. The argument suggests that, without a working understanding of the physical realities involved in the mechanics of terrestrial visual perception, we will not be able to accurately perceive the universe or understand the nature of matter.

1. Thanks to Chaos Trend a Swansea based gaming company, Simon Hawker and Frank Langbein of Cardiff university and
Prof. Jan Koenderink. [↑](#footnote-ref-2)