

Primal Fernando

Inventor

Current Relationship and work done at Cornell University's Cornell NanoScale Science & Technology Facility (CNF)

Previous work done at:

- University of Colorado – Boulder – Department of Physics
- State University of New York (SUNY) College of Nanoscale Science and Engineering (CNSE)
- Have worked in conjunction with Georgia Tech University, Princeton University, Binghamton University, University of Michigan, University of Massachusetts, University of Hull - UK, Calvary Robotics, Kodak, Eastman Chemicals, EMD Chemicals (a subsidiary of Merck), and IBM

Currently 3 projects in stages of development and manufacturing:

1. Insulating Film for Windows – Designing and building robotic manufacturing line for the window film with Calvary Robotics
2. Insulating Film for very high insulation requirements – working with IBM for manufacturing of the chemicals needed for the film, with Cornell for the data and specifications of the film, and with Calvary Robotics for design and build of the manufacturing line.
3. Personal Cooling System – Approximately the height and width as the iPhone 6 Plus with a depth of 1.5 inches for normal use. Units will also be built for specific functions such as Firemen and construction workers where the unit will be built into the helmet.
4. Graphene roll to roll production – Working with Professor Byung Hee Hong of the Department of Chemistry at Seoul National University on roll to roll production of Graphene

OPINION ON DR. SANDRA MICHAEL'S Scalar Energy Systems

History teaches us many lessons, but the question is, do we utilize history to learn, or ignore history and make the same mistakes? Many of the astounding breakthroughs in science have been ridiculed or disbelieved because of the lack of understanding and the belief that under their current status of knowledge it would be impossible. I believe that Scalar Energy comes into this category for many in the current world.

The scientific evidence is presented by others in the documentation provided in answer to this subpoena. I have been asked to give an opinion on Dr. Michael's work. The anecdotal evidence I have heard is compelling. In addition, on 2 separate occasions I have been present with individuals who were exposed to Dr. Michael's technology. One individual had great difficulty walking and moved better and faster than before being exposed to Dr. Michael's technology. The other individual was using a walker to move around prior to being exposed and afterwards was able to walk without the walker. All after hours or days of technology time rather than months or years.

Understanding the science of Dr. Michael's technology and of the human body, I can see how the technology could have had the effect that I witnessed. The following is a simple explanation that makes it easier to understand in plain language what is occurring when Dr. Michael activates her equipment.

1. Frequencies are described by using various different names based on their appearance or effect. For example, light, sound, and magnetic waves are all frequencies yet have different names. Active noise control, utilizes a sound wave with the same amplitude as the original sound wave but with inverted phase to the original sound. This is called antiphase coherence (destructive interference). When this occurs, the resulting wave is flat as the two waves cancel each other. However, since energy cannot be destroyed, and no sound can be heard, the resultant flat wave has to contain the sum of the energy from the 2 waves.  
Scalar waves are generated in a similar manner, by generating antiphase coherence
2. An example of a similar phenomenon is light waves. The frequency of light waves (~10<sup>14</sup> Hz) is too high to be detected by currently available detectors, but it is possible to observe the intensity of its optical interference pattern, proving that it exists. To my knowledge, Scalar waves are similar and the effects are measurable even though the waves are not.

My objective in writing this opinion is that I have given an explanation that makes it easier for anyone to understand Dr. Michael's technology. Since I have a technology background, understand frequencies really well, have personally talked to a several people who have benefitted, and saw the evidence of 2 people exposed to the technology, I felt that I could safely give this opinion.

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