

See Introductory slide:

Supercomputer Suggests Supermind

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The paper and the foils for this talk can be found at <http://www.dallas.net/~matzke>, which also contains all my other papers including previous ISSSEEM papers and presentations. I'm going to build on last year's talk, so if you want to go to Sounds True and order the tape from last year's session, it might be interesting for you to hear more details the ideas that led to this talk.

See Slide "Smarter than Computers"

The key idea from last year's talk is that the universe contains an energy/information duality. It's similar to the old wave particle duality that we saw from earlier in 20th century. Many people talk about information but may not have a clear concept how it is different than energy, so here is how I think about information. If the name for a subtle form of matter were called "energy", what would you call a subtle form of energy? For me, that's what information is. This information is not the classical concept of information as is defined in communications theory (which most scientists equate to energy), but rather a more modern and abstraction version (yet very "real") that is emerging out of quantum information theory. After studying subtle energy and quantum mechanics for many years my conclusion is subtle energy has the same informational properties as quantum mechanics. This is important because, quantum information theory is the basis for the entire universe. In John Wheeler's famous talk, "It From Bit", he states that everything, including black holes, empty space, everything that we do in the universe must emerge from this quantum mechanical realm.

What's interesting is that quantum mechanics is NOT energy. In fact, quantum mechanics must pre-exist or pre-date time, space, energy and matter. I like to think about these ideas from the perspective of the "big bang". The big bang is an energy-model way of looking at the universe beginning, but the quantum mechanical states for that event existed before the emergence of those classical entities. Since the quantum states existed before matter, energy, space and time, those physical systems actually evolved from those more abstract states. Since these quantum states are informational, I like to think of this event as a high organized form or creative "big thought", which then evolved into the conventional energy and matter relationships.

Everything physical has that sort of information basis. Information is more essential and more primitive than the energy in space and time. This is important to what we're doing at the ISSSEEM conferences because it is very

similar to a panpsychism perspective, which states that consciousness is in everything. If quantum mechanics is primarily informational and if quantum mechanics is in everything, then everything is potentially “intelligent” or “conscious”. Also, introduced the notion that meaning and knowing are concepts that really can’t be dealt with using classical computer technology, because they are concepts that exist "outside of time". These are the ideas I introduced last year.

See Slide "SuperMind is Information"

Here is the motivation for this talk on “Supercomputer Suggests Supermind”. I was motivated by how geniuses are able to perform extraordinary feats, especially music geniuses who seem to have an instantaneous gestalt knowledge of an entire symphony and then later unroll it into time. Information, genius, exceptional abilities and time are all related.

The key idea for this talk is we are smarter than conventional classical computers. Classical computers give us a great language to begin discussing this in a modern context. But even this language limits our thinking, because it is based on unspoken assumptions, its based on energy assumptions. We really need to re-think the universe and ourselves because our consciousness is really information and not energy.

The process I use to change my thinking is to focus on the limits of computing. In fact, there is a concern in the computer industry right now about how the limits of computing will affect their industry growth. Effectively there’s going to be an asymptotic decay in the next ten to fifteen years with classical computer technology, because of known limits. The “limits of computing” is one of my specialty areas in my 3-D job, as they say. From my work, I’ve realized that the very framework of space and time and energy can limit computing. This framework can be thought of as a “classical” space/time/energy box and quantum computing is the approach to “break outside the classical box”. As I will explain here, quantum information systems can be “smarter” than classical information systems because they exist outside this box.

Quantum computing was effectively discovered in the last ten years. Algorithms for breaking cryptography codes were designed in 1994 that proved a quantum computer can solve very hard problems that are impossible for a classical computer to solve. A good way to think about a quantum computer is, quantum bits (or qubits) are “smarter” than classical bits, because they are not embedded inside space and time. Not only do space, time and energy require quantum mechanics but also chemistry, biochemistry, biology, and some propose that even consciousness must naturally evolve from this ubiquitous quantum infrastructure that supports the universe.

The most direct way to state this “Supermind” idea is to suggest we are really "*biological quantum computers*". This thinking presupposed that consciousness is equivalent to quantum information fashioned as a biological

quantum computer. Quantum information is so efficient we can be smarter than if we were classical computers. Imagine if we received 10^{100} more information than we currently perceive using our physical senses. If humans were classical computers this amount would overwhelm us. This would be like watching all the movies ever created in one second, or drinking directly from Niagara Falls or plugging into a megawatt power generator. Any of those activities would overload our circuits. By realizing we are quantum computers, we can start extending our expectations of what we experience in the universe to take in more information! That's what genius is all about. This idea can succinctly be called "Supermind" and I want to thank Maurie Pressman since I am adopting his Supermind concept, but augmenting this super-information idea to be based on quantum information theory.

Supermind is informational and everyone would agree that so is normal consciousness. Memory, awareness, and intuition are information terms without a trace of energy centric ideas. Making decisions based on the integration of our life history; that's an information idea also. Significant research has been done on such concepts as language, meaning, objects, and lucidity. Dreams are kind of a virtual simulation and a virtual reality. A very large amount of information is generally required for implementing that kind of system. Virtual reality systems are compute intensive and all of those tasks take a lot of computing resources. Where do those computing resources come from in our normal intelligence? Do not be convinced that the computation problem of "normal intelligence" is solved, because artificial intelligence (AI) researchers have been predicting really smart machines every decade for the last 40 years. Some of those same governmental groups are now looking at "quantum mind" ideas as an extension of neural networks.

So let's assume we have a Quantum Supermind that can *simultaneously* deal with very large amounts of information. Where does that information come from? So let's introduce the idea of Quantum Internet, called "Supernet" which enables us to get information from other sources located in the high dimensional space supporting quantum mechanics. These informational relationships can be thought of as connective filaments of information and equivalent to a query in a database or looking something up on the World Wide Web. Experiences such as medical intuition, remote viewing and "energy" awareness are about accessing information, direct knowing, and understanding of meaning all can be defined using this Supernet idea.

Thinking about the relationship between information and space-time has allowed me to make the conclusion that conscious states such as "unity awareness" cannot be explained in classical information terms because space and time tend to keep information separated. Experiences such as direct knowing, meaning, awareness, telepathy, and control of quantum states strongly suggests that quantum mechanics is related to consciousness and subtle energy. The most specific example is the book "Occult Chemistry" where they actually were able to perceive/control quarks and quantum states directly with their consciousness. That would only be possible if there was some kind of relationship between quantum mechanics and consciousness. The Copper Wall experiments also indicate a relationship between consciousness and electromagnetism.

See Slide "Supermind is Non-Classical"

Supermind is primarily different than conventional computers because it represents non-classical information. The primary ideas for non-classical are: 1) non-local in space, 2) atemporal (outside of time), 3) non-energetic (purely informational), and these lead to 4) non-causal (cause and effect are replaced with idea of synchronicity). Remote viewing, astral projection and morphogenesis are all non-local informational phenomena. People describe experiences of non-local states of being, where they perceive themselves as big as an entire mountain or planet. How is that possible? This experience is impossible if the only explanation is a classical information theory because the flight time of light is easily measured on a planetary scale. Supermind is also a-temporal (or cross-temporal) access of information (also known as memory) because if it were possible to directly access information in/across time, then conventional "memory", per se, would be unnecessary.

This quantum based "Supermind" theory postulates that we all should have a fundamental ability to perceive our past. I argue we should also be able to remember our future even though we haven't perceived it yet, because it's just accessing information (which may be statistical) through time. Einstein showed that space and time are related, because as soon as you change your temporal or spatial perspective it changes the other one as well. Quantum theories add the notion of many dimensions (called a Hilbert space). Since space and time are united we can also "remember" other information we never knew (or forgot we knew) by tuning into the right location in this hyperspace of the Supernet. Remote viewing experiments (across continents and into the future) with randomly chosen people have shown that everybody can do this "tuning" or "remembering". High-dimensional topology is particularly exciting because you can break the rules and assumptions of being limited to a three or four-dimensional spacetime.

Supermind is non-energetic, in the sense that classical definition of energy is synonymous with objectively measurable states. Willis Harmon talked for years about subjective states of awareness, which "by definition" are not objectively measurable. Take the example of love! Do you love your parents? Can you prove it? Can you put some objectivity behind your assertion? Quantum states are identical to this because quantum states are not directly measurable either. Even worse, if you try to interact with a quantum state you destroy it. You can only see the effect of quantum states indirectly through their interaction with other quantum states. Only the physical, energetic aspects of the result of interacting quantum states are measurable (called eigenvalues), but not the quantum states themselves. Based on this understanding, the term "subtle energy" is really a misnomer and should be relabeled as "subtle information".

Based on this line of reasoning, I propose that it is impossible to directly measure quantum states or subtle "energy"! If consciousness really were composed of quantum states, then from the laws of quantum theory, it would be **impossible** to directly measure it! Based on this thinking, the best we could hope for with this model is to measure

indirect effects in the environment, which is usually called "noise" but the noise source is due to quantum SuperMind. This is consistent with REG devices using radioactive decay and Occult Chemistry but also proposes other modern quantum mechanical based experiments, which I have proposed back in 1994 in the paper entitled: "Prediction: Future Electronic systems will be disrupted due to consciousness".

The relationship between lucidity of thought and mental noise is an important topic because it again highlights the duality between energy and information. The more your mind is "like classical energy within 4space" the more noise it perceives/generates in the environment. The more calm your mind is due to sleeping or meditating, the more information-like you become which means you become "like the light", which does not experience normal spacetime. Emotion also has this duality because experiencing a feeling is primarily informational since it is a state of being that effects our memory and thoughts. By controlling your internal emotional state using techniques such as "HeartMath" also causes your body to be in a corresponding physical state, we usually describe in energetic terms. This information/energy duality of emotion has SuperMind and 3-D components.

See Slide "Supermind is Quantum Computing"

I would argue that Supermind is like quantum computing and here's a corollary between the two: quantum states are high dimensional. High-dimensional mathematics, called Hilbert spaces, allow researchers to explore this high-dimensional domain where the normal rules of space/time do not apply anymore. These new rules are required because things need to be independent (or orthogonal) but this domain means you can be smarter. If the number of dimensions you're working in is higher, the smarter you become. So purely from the topological constraints, if you are a ten-dimensional being you can be smarter than if you are a three-dimensional being. That's what quantum computing is doing is making those extra degrees of freedom be available for computation.

Quantum states are future probability distributions but they're not 100%, and these probabilities can change over time. I would argue that mental states are very similar, and they're heavily influenced by emotion. This occurs because in quantum mechanical superposition, a qubit can be both true (=1) and false (=0) at the same time, which allows the speedup in quantum algorithms. Both of these topics are very different from classical computing.

Again it's really important that consciousness can interact with quantum states. I argue that just as it is impossible to shield quantum EPR pairs from interacting, it is also impossible to shield against Remote Viewers. My proposal is we also can not shield from consciousness interacting with quantum mechanics. This is an important point to understand when designing future experiments.

See Slide "Meditation shifts us from Linear Spacetime"

Classical computing becomes smarter by increasing frequency so that more and more things can change per unit time. There's no unity awareness by increasing frequency. It's like a dog chasing its tail faster and faster and faster, he's never really going to catch it. Another example is a juggler handling a thousand balls, instead of four. No matter how many balls he juggles he still only ever has one ball in his hand at a time. There is no unity of information in this example either. That is what classical computing does, the higher frequency then the sequential becomes faster.

The relationship between frequency and mental states is also a paradox. When you are dreaming, your mental states go from the higher conscious "brain frequency" down through Alpha, Theta, and Delta, which are progressively lower frequencies. The paradox is you are actually smarter if your "brain frequency" is lower!! People generally associate "higher" states of consciousness with "higher frequency" but we know from physics that this implies higher energy and more localized expression (shorter wavelength). Lowering your "brain frequency" makes you less energetic and spatially and temporally less localized due to the longer wavelength, which in my model is more like information and results in a "higher state of consciousness". Higher states of consciousness are not synonymous with higher frequencies!! These predications are the opposite of energetic computation model that states you have to be faster to be smarter.

But, I argue against that the model, because consciousness is an information paradigm rather than energy paradigm, which results in a paradoxical relationship between frequency and knowing. We actually have to do what you would consider opposite of normal classical thinking. So to become smarter we want to lower the frequency, like in a Delta state, like in the dream states. That way we become less energetic and this results in the perception of less noise. Keep lengthening the wavelength and eventually you can approach the frequency of the earth, then it is possible to connect directly with the earth because we're in resonance with its frequency. I argue that all quantum events within the bigger circle defined by the longer wavelength are **not** sequential. There's a unity of all quantum information within that circle. Quantum information really exists outside of time and most importantly, actually defines sequential time.

Black hole theories have shown that a black hole is like a ball (where the surface area is the event horizon of the black hole), and inside this ball there is neither space nor time. All matter and energy and quantum states that are thrown into a black hole, increases its size by the number of bits, which means a black hole is a bit bucket. Quantum bits (or qubits) form black holes. I argue that consciousness is more like a black hole in the sense that the outside of it is how big the classical information is that we're dealing with at one time. The inside perspective is like a single point in space/time and it wouldn't be experienced it as a sphere. So no matter how big the black hole is on the outside, the space/time perspective from inside a black hole is experienced as a single point of unity, or singularity.

So a high dimensional quantum SuperMind is unifying and homogenizing all that information because no classical space or time is present to compartmentalize the information. This concept, idea or model is very important and the wavelength really is directly related to time and inversely related to frequency. I believe that people who meditate effectively lower their frequency until eventually the perception of time stops. By stepping outside time, we become panoramically aware of all the information that used to be isolated by focusing inside the normal spacetime rut.

See Slide "Enabling SuperMind"

I argue that we want to be more “like light”, so that our consciousness is less like classical energy and more like quantum information, which includes both meaning and emotion. Consciousness is not about energy, but rather about knowing, meaning and emotion. As more of us shift down to these slower and quieter frequencies, we will soon remember that the universe is a big quantum computer and simulation. The heart and mind working together becomes the programmer and that we can create our own reality because we are truly connected. Isolation due to space and time is an illusion based on our logical western paradigm. Nothing can keep us from interacting with all the quantum states in the universe except our own limiting beliefs. Enabling the heart chakra, and other chakras in general, allows us to build this information ball bigger and bigger, connecting with more non-local information and help us make better and more unified decisions. We can only maintain this large ball if we stay connected, filling it with connective filaments of information and love. That’s a model of SuperMind that is built directly on similarities between subtle energy and quantum information theory.

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Doug Matzke hosted the ISSSEEM web site when it was started up. It was truly a labor of love. Doug has a bachelor and master’s degree in electrical engineering and is working on a Ph.D. in quantum computing. His primary interests are blending physics, consciousness and computers together in his thinking, while bringing together how energy and information relate to consciousness, intentionality, emotion and qi.

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