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SPEAKERS

Vishen Lakshani, Nassim Hamein



Nassim Hamein 00:00

You can tell the future because all you got to do is look at science fiction. Science fiction is the imagination of consciousness creating its future



Vishen Lakshani 00:18

spent an hour witnessin This morning, and this man blew my mind. The conversation went in every direction from human consciousness to time travel to, to basically, can we travel at the speed of light to wormholes to Nikola Tesla. And it's going to be a very interesting conversation, Nassim because you're kind of brilliant.



Nassim Hamein 00:40

Oh, thank you. I think the same of you. I think the same of everybody, actually, I think it's, it's an amazing thing to be alive. And you know, the miracle that happens in a person every second of the day is just, it's just brilliant. So



Vishen Lakshani 00:55

the first question I'd like to open witnessing, and we also have questions from the tribe, and from people watching on Facebook Live. So if you're watching on Facebook Live, thank you for joining us, please give a round of applause to our special guests on Facebook. First question is seen. And I guess it's more really of a subject matter I'd like you to talk about. You focus a lot on connection on how it when you study the universe, you find that every one every atom, every soul, every human being every plant, we're all connected? Let's start by talking about connection. Right? Well,

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Nassim Haramein 01:33

you know it, it came from more philosophical and intuitive sense. When I was young, when I was younger, that I had in school these thoughts, because I didn't pay attention much to what was going on up front, I commonly was thinking about all kinds of other things. And I start to feel like, the space between things may not be empty, you know, we only experience a very small part of what's going on in the space, there's all kinds of electromagnetic fields, there's all kinds of stuff that's happening in the space that we don't experience directly. And I started to think maybe the space between things is not empty, but it's full, and it connects all things. But eventually, as I studied physics, and I understood some of the basis of quantum field theory, I realized that actually, we had found that the space is not empty at all, but full of energy. And eventually, I wrote equations, I wrote physics. On this space, I described the space. And when I wrote these physics, it out put it very fundamental constants in physics, like the mass of particles, and the radius and the structure of galaxies, and the structure of the universe and all these things. And as I wrote these mathematics, something remarkable happened. Something I instinctively had come up with when I was young, but but that just came out in the mathematics just beautifully. And that is that all the information of every other particles in the universe, every atom in the universe seems to be present holographically in each atom, which connects them all through this wormhole network in the structure of space, like, like an information highway, that is transferring information at very, very high baud rate. And that permits systems to self organize so so it's really at the deep level, that I see the connection between all things not in on the philosophical way, but actually writing physics on it actually worked. And

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Vishen Lakshani 04:00

this This connection is the basis for a lot of your research. And the research you're doing right now is astonishing, because it now seems research is able to prove some of the things he's talking about. It has huge implications for humanity. For example, warp drives, for example, the ability to control gravity to within the next 75 years be able to go on a family vacation to Jupiter and back in record time by leveraging the control of gravity and wormholes. So let's let's talk about that. What are you researching right now?

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Nassim Haramein 04:33

Well, actually to go to Jupiter, you won't need a wormhole with a gravitational drive. But if you want to go to Alpha Centauri, you'll need one. But yes, I am working on these things, because not only that, you know when you calculate the amount of energy, obviously if everything is connected through this wormholes structure, the micro wormholes at the quantum terminal level, which will present this tomorrow. The energy level in a centimeter cube of space is ignored this and, and if we extracted just to billionth of a billionth of a percent of the energy that's in a centimeter cube of space, in the structure of spacetime, we could run the world for millions of years.

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Vishen Lakshani 05:22

So you're saying that in a centimeter cube of space. right. there's an energy and I believe you

refer to it, or people commonly call it zero point energy? Yes, we can learn Stein, if we can learn to extract that, right, we can run humanity for millions of years. That's unlimited energy.

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Nassim Haremein 05:40

Exactly. And it's, it's actually, according to what I found, it's actually the energy that runs reality that runs the world. And eventually, I wrote papers that advanced these mathematics into, actually, that's the energy that makes you a conscious human being. It actually organizes system to eventually arrive to a system that's complex enough to become self aware. It's interesting.

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Vishen Lakshani 06:07

So are you saying that zero point energy has a tangible relationship to consciousness?

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Nassim Haremein 06:13

Yes, absolutely, according to what I found, and I want to prove precisely mean, what I found. What I mean by what I found is that when I wrote these mathematics, and I extracted these masses, and these radiuses, I was I was able to make predictions, very important prediction about the nuclear battery. And that was confirmed in accelerators in Switzerland. And my solution is the most precise solution on earth today, from theoretical tenant, the standard models off by 4%, which is like, you know, a universal way in, in quantum theory. So, so what I'm saying to you today is not just based on nice mathematics that may be too complex for you to understand, or philosophy, it's actually now confirmed in experimental studies,

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Vishen Lakshani 07:10

that that's incredible. Now, some scientists have said you deserve a Nobel Prize. Some scientists have said, this is hogwash. Yes. How do you deal with that sort of polarization in?

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Nassim Haremein 07:25

Well, you know, I cry and I laugh. I think it's always difficult to, to make a change, you know, we can see that I don't know about you. But in my life, you know, every large changes are difficult. What I appreciate

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Vishen Lakshani 07:43

about you is that every great innovator was called a quack at some point, including Tesla, right? Yeah, what I appreciate about that, yes. And Einstein, what I appreciate about you is that you're not just looking at matter, and energy, but you're looking at matter, energy and consciousness and how they all interrelate.

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Nassim Hamein 08:00

Right. And you know, it's like, and as you, as you find these pieces, as you find these little morsel of information across the physics, you end up with stuff in chemistry, and you end up in stuff with biology, and you end up with, you know, and it just built, because if you have the correct foundation, you see, we make humans, we make these divisions in science, you know, we call this chemistry and we call this physics, and we call this, you know, biology and all this, but the universe doesn't do that, you know, just like the universe doesn't make lines on the planet and say, this is this country. And this is this country, right? And so, so basically, the universe, Mala must be unified, since it produces all this amazing bio structure that we call our reality. From the physics all way to consciousness. And so when you start to find something, and that's my belief, when you start to find something that's very deep, fundamental at the truth of the reality, then all this starts to unravel. And that's what I think is happening now.

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Vishen Lakshani 09:18

So the question is, what then is consciousness? We're using that word a lot. Yeah. And you said that consciousness is all around us. It is. It's related to the zero point field. Correct? Is consciousness to

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Nassim Hamein 09:32

you? Right. It's it's an important question, because it's becoming more and more, you know, that when I started to give talks in physics conferences in the 90s, in the early 90s, mid 90s, I, if you said the C word. It was like, automatic dismissal you were asked to leave, right? That was like, you could say the F word, but you could not say the C word. And um, And so it was very difficult at the time you can imagine. But but now it's it's completely flipped around, like the cool thing for physicists, especially after they retired is to work on right, what is the source of consciousness? And how did consciousness occur that and you know, and often people talk about, you know, this new idea that consciousness may be at the base of reality. And, and, and it's, it's in many cases, not very helpful because you the word consciousness is used as if you said God is the base of reality, you still haven't told me anything about what that is right? If you say consciousness, so what do you mean by that? Well, if you look at definitions of consciousness, it's not very useful. Neither it says it's something that has to do with self awareness, right? becoming self aware, what's important in that self awareness understanding is that there's something that resemble that feedback, right? You knowing you are you. And as I wrote the physics that described these fundamental laws, these fundamental principles of physics, I realized that the information and there was already in the philosophy that I was that I had developed, but it showed up in the equation that the information is, is circulating in feed forward feedback structures. And so so that you can think of this plunk field, which is an electromagnetic field, this this zero point energy field, as bits of information, and this is exactly how I wrote the equation, that's why it's a holographic equation. And, and you can think of the bits being exchanged between the field and the surface and the interior of particles. And as you write the equations for this, it starts to make to, it starts to look a lot like a feedback structure of information through the universal network.

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Vishen Lakshani 12:17

So in other words, the universe is feeding information to itself.

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Nassim Hamein 12:21

Exactly. And that's how it grows. And that's how it becomes more and more complex and highly organized.

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Vishen Lakshani 12:28

So the universe is becoming more conscious. As time goes on. Exactly. It's getting wiser. The universe is getting wiser and wiser. Yes, right. But the other thing is, you've, you've also said that time doesn't exist in the realm of consciousness time is an illusion. Yes. And you've suggested that consciousness is going back and rewriting itself. That's right. So

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Nassim Hamein 12:54

it basically, the information, what we call time, is a linear set of information along a specific vector of space. So let me say this in a more simple way, no memory, no time. If you can't remember what happened just before, you don't know that there's a linear function of time, you don't have evolution. So I changed. I modified Einstein, and I'm sure he's okay with it. But I, I changed the the word the coin space time to space memory. Because it's more fundamental. Memory is required for time to exist for evolutionary systems to exist. So I started to realize that maybe in this playing field of information, we're leaving information as we're moving through space. And we're basically like, like, we put information on their hard drive in the magnetic field made them have a hard drive, we're leaving information on the plunk oscillating field of spacetime on the electromagnetic field of space time. And that's what we call our memory. That memory is not in the brain actually wrote a paper on this, it was my first paper in biophysics a few years ago. And it just got cited by a very, really good team of us as biophysicist, and in the Netherlands, and then got a lot of press but basically, it's saying that consciousness is not in your brain, but your brain and your whole body is like a bio oscillator antenna tapped into that field of information. So So basically, information in your is on the structure of space. And in each coordinates, think of each coordinates as one plug second, which is really, really, really, really short, right? It's like 10 to the minus 44 seconds, right? And, and

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Vishen Lakshani 15:00

just can you give us perspective of what that looks like in our prior conversation, you spoke about how the earth is going around the sun, right? But the universe is expanding. So the sun is moving you technically we are moving through space like this making

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Nassim Hamein 15:12

a spiral, right? Yeah. And like after a year, we're like billions of kilometers away from where we

were a year prior. And we've left information on the structure of space, each one of us along that path, and that's what we call our past that is our memory imprint on the structure of space, which we're entangled with, because everything is connected, and all the protons in your body are connected to that information. So here's



Vishen Lakshani 15:41

another question. Where does my consciousness and your consciousness begin?



Nassim Hamein 15:46

Wow, that's a good question.



Vishen Lakshani 15:50

If consciousness is also between us, right? Isn't it all connected in some way it is.



Nassim Hamein 15:55

But each cornets in spacetime is observing the universe from a different perspective. If I put an object between you and me, right now, you are and I don't know, we have like, what, like 400 people in the room, if not one of us, is seeing this object from the same perspective. Every one of us because we are in different coordinates and spacetime are seeing a different part of this object. We're all gathering different sets of information. So although we're all part of the same consciousness, flow of information, we are all in our feedback structure, feeding a different set of information that and all the combined sets of all the coordinates and spacetime produce the reality we see. Do you guys follow this? It's a little bit of a feedback thing.



Vishen Lakshani 16:51

How many of you here are wishing you paid more attention in science class?



Nassim Hamein 16:57

You wouldn't have got that at school. But but



Vishen Lakshani 17:02

but if the universe so if the universe is self aware, is conscious, yeah. And we are some of the most sophisticated creations in the universe.



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Nassim Hamein 17:12

And we and we all are individualization, right? Because we all gathering different sets. So we all look a little different, because the universe is organizing in the feedback is organizing your body a little different than me, because you're feeding the universe a little different set of information than I

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Vishen Lakshani 17:29

am. So we are just a highly organized, a highly organized bit of the universe, where Universal Consciousness is expressing itself.

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Nassim Hamein 17:37

That's right, you're like, you like the structure of space time extending itself and feeding information back to the hole. Wow. Yeah,

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Vishen Lakshani 17:48

that's a very interesting way of looking at it. You know,

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Nassim Hamein 17:52

Einstein, Einstein mentioned that. I mean, he approached it in some of his statements, but what specifically did he say he, I'm gonna paraphrase the statement, I think I have my presentation tomorrow, but something along the lines, that object are not in space, but they're an extension of space itself.

V

Vishen Lakshani 18:15

Wow. Okay. So we've got a couple of questions. And I wanted to pick some questions. This particular question is from a 14 year old girl who's in the room tomorrow, tomorrow, you want to stand and just wave to the audience.

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Nassim Hamein 18:27

Hi. Thanks for being here.

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Vishen Lakshani 18:30

So tomorrow's question. Tomorrow, did you pay attention to science in school? Okay, so tomorrow's from Belarus, good girl. And her question is this. If there's consciousness all around us Don't

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Nassim Hamein 18:40

believe everything they tell you though.

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Vishen Lakshani 18:45

Is there a way we can tap into this consciousness? And is that what intuition is?

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Nassim Hamein 18:53

Oh, that's good question. Well, you're. So that's what I was saying earlier is like, you're making a distinction between you and consciousness and there is none. You you are tapping your consciousness, what you call your self awareness, your consciousness is that tap, you're tapped already. But you can increase the amount of information flow you can increase your influence on the structure of space, I call it, you know, vacuum engineering, you can, you can create a larger tap to have a larger influence on the structure of space, if you become aware that you have that ability that you can connect with the space. So so. So how would you do that? Well, the equation says that every proton in the nucleus of every one of your atoms and you're made of 100 trillion cells. Each cell is made of 100 trillion atoms. So there's a lot of those little guys okay, so it's very advanced. It's very complex, it's remarkable. It's remarkable. Like there's a miracle happening. Every billionth of a second in your body, there's a billion billion chemical changes occurring every second, I mean, a million cell division every second. So remarkable. So all this is happening, right? And the equation says that each proton is connected to all other protons in the universe, that all the information in the universe is present in each one of them. So if you actually want to know about the universe, where do you go? inside yourself, right? So we are constantly putting our attention outside ourselves, because that's what we learn to do. But there's other techniques to help you bring your consciousness inside yourself, right. And if you do that, you can get more and more conscious of the deeper layers of your existence, because you think of yourself as one thing, but you're made of all these billions, trillions of things, and you become aware of them, you go deeper and deeper in them, eventually, you can get a deeper level of information about the rest of the universe, about your consciousness about how you are like the root of you. Right, which is much deeper than the personality and, and everything else, maybe that you've developed throughout the years. Does that answer your question? Good.

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Vishen Lakshani 21:40

Now you can go back to school and outsmart your teacher. I'd like to see that conversation. Now, this question comes from someone who was watching us on Facebook Live

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Nassim Hamein 21:50

who get hate mail from some of the teacher Yeah, there. Yeah. Oh, man. You ruin my students.



Vishen Lakshani 21:59

So So roquet schwa Hari das asked us this. Can we equate consciousness to God? Equate thoughts in mind to God?



Nassim Hamein 22:14

Well, it depends what you mean by God, you know, that's the thing, the precision of language is so difficult. This, if you're, if you mean by God, that it's something that's omnipresent in the sin that's everywhere, that knows everything that organizes everything, then you can associate that directly with the quantum vacuum oscillations. And, and if that's true, then and that's consciousness, then absolutely you can, you can make that analogy. But if you make the analogy without the mechanics, without saying, either what God is or consciousness is, then you're not much more advanced,



Vishen Lakshani 22:57

so I take it you don't buy the standard model of physics and you don't buy the Standard Model of God.



Nassim Hamein 23:02

No, yes, I don't. And, and the standard model of physics, I wouldn't say I don't buy it, I just I modified it. Because it had big holes at the foundation of physics there was there was big holes in the understanding of physics like if you asked what is maths, what is electromagnetic fields? What is charge? Or what is gravity all this will really like unknown, like the source of it, you know, we wrote physics equation, like one of the most commonly used physics equation, the most known equals MC square is beautiful equation. Except that it doesn't tell you anything about anything. Meaning, we if you ask, what is m in the equation mass, we say we don't know what maths is. So that means and then you ask, well, what is C? Well, we don't know why C is C, we don't know why the speed of light is the speed of light. So that means you have two unknowns on one side, the equal sign that means you don't know what E is, right? Because it's equal to unknown. So so now you have an equation. It's beautiful. There's an equivalence between three unknown, so you know nothing about nothing. So. So, so I wanted to know.



Vishen Lakshani 24:25

So this is a question from Clemens stroke. Clement, are you in the room? Please stand. Okay, Clement is not here. But this is the question Clement asked. Once artificial intelligence become self aware of its own existence and consciousness. How will this impact human consciousness? Well, I guess there's a category that a question, right, firstly, do you agree that AI can attain consciousness as you define it? Right. This



Nassim Hamein 24:53

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is really important because it's becoming so popular right now. And I'm asked this question now. And then I had to meditate on it. And it was a short meditation because it occurred very quickly to me that there's nothing artificial about consciousness. And so the concept of artificial consciousness or in a different sort of intelligence, then, you know, it doesn't compute there's already a computational issue. And so, there's nothing artificial about intelligence and what I mean by that is intelligence has nothing to do with crunching data. It has nothing to do with intelligence is a beautiful emergent field of information that includes emotions and all kinds of things that has nothing to do with crunching ones and zeros, crunching ones and zeros will never get us to an intelligent, you know being. So, so, do I believe that artificial intelligence will occur, meaning that we can place consciousness in an external device? Yes, I believe we will get there, how we will get there, we will get there when we try when we stop trying to do it by crunching ones and zeros. And we learn how to tap into this fundamental field of information or consciousness and loop it back on itself on an external device and then it will be self self aware, and when it becomes self aware, it will have emotions, it will have empathy, it will have every characteristic that a human being has

V Vishen Lakshani 26:52

now what would that look like? Would that be would that be using biological means combined with with electronic means, I think what do you mean by tapping into consciousness?

N Nassim Hamein 27:08

I think you will be using plasma, high energy plasma structures in a very confined region of space, that creates singularity that creates a tap into the field. And then the system will become self loop and become self aware.

V Vishen Lakshani 27:30

Okay, so now that we've started talking about plasma plasma is one of the states of matter. Scientists are always discovering new states of matter right now they are around seven. And plasma is the most dominant state of matter in the universe. Correct.

N Nassim Hamein 27:44

Now, mostly of what we see in the universe, and what we call not plasma is really plasma that's cooled off. I

V Vishen Lakshani 27:50

see. Now, this is a question from Hayden, who's 10 years old. And he Hayden's my son, he's a big science geek. Right, Hayden, you want to just wave to the crowd? So Hayden's curious to understand. How are you using plasma to control gravity?

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Nassim Hamein 28:08

He looks like you. I've got two boys. How old are you? 10. eight year old and a 12 year old?
What was the question?

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Vishen Lakshani 28:23

I bet that I was just gonna say you have an eight year old a 10 year old. I bet. Yeah. Teachers get so annoyed. Yes. So Caden was wondering, in your work, you're using plasma, yes, to control gravity. And what you've said is, look, Elon Musk wants to get us to Mars, using rocketry using rocketry. And you said that it's a highly inefficient process within 10 years, we will be able to use plasma in a specific way to control gravity,

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Nassim Hamein 28:51

correct? Yes, I, that was your son's question.

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Vishen Lakshani 28:56

Well know, how are you doing it?

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Nassim Hamein 29:00

Well, you know that okay, so So first of all, it's not really feasible to colonize Mars or any other planet, or even the Moon using rocketry, you know, it makes absolutely no sense. It would be extremely difficult to supply you know, the supply chain would be very, very expensive. It would produce massive ecological disaster. We would need hundreds of rockets going up every every week, every month, and it would make holes in the ionosphere anyway, this is it's not feasible. Control of gravity is the way we will go to space. If we reach that and we will, I'm confident we will and we will and you can tell the future because of technology because all you got to do is look at science fiction, everything that we have to They was in science fiction prior to us having it because science fiction is the imagination of consciousness creating its future.

V

Vishen Lakshani 30:11

And just just to give an example of that, if you look, if you were watching Star Trek The Next Generation in the 1990s, and you notice that people in Star Trek using a tricorder, right, we now have a tricorder. And like, this is more advanced than the tricorder is in Star Trek, right? And it's called a smartphone. Right? And so, and who would have thought that it would emerge in 18 years from 1990? Exactly.

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Nassim Hamein 30:35

And, and things are accelerating. And when I'm talking about gravity control is not in five generations from now. like. it's not intended generations from now. it's at our doorsteps. There's

generations from now, like, it's not intended generations from now, it's at our doorstep. There's laboratories all around the world, including mine working on it,

V Vishen Lakshani 30:53

and NASA and NASA, you say this is going to come to the World Within 10 years, or yes, we

N Nassim Hamein 30:59

already have good results in some of the laboratories with some that device and creating gravitational anomaly and so on. And so we're on our way, and it you know, all of our current technology today came from us learning to control magnetic fields and electromagnetic fields from Maxwell's equation and Faraday, and we've produced this amazing civilization, technological civilization, the next step is to learn to control gravity and birth or civilization into a space colony. And

V Vishen Lakshani 31:35

you're doing this with plasma, can you give a quick, layman's idea of how you're doing this? Right,

N Nassim Hamein 31:40

so not all laboratories have taken that approach? I, I've taken it because early on in the Physics I wrote, I realized that we needed to spin highly dense magnetic field that at high velocity, and we and some of the experiments in micro gravity alterations came from spinning, super conductive magnetic disk at 5000 RPM, but 5000 RPM is very slow. You can turn plasma right up to this close to the speed of light. So you can imagine if you reproduce the same experiments, but at a much higher velocity, you can get much larger effects. So so it was clear to me that rotating a physical object was too slow. So I and I realized, Oh, why don't we just bio mimic what the universe is doing? Right? Because it's spinning plasma out there. And it's producing gravitational field. Let's make a little star in a jar. You know. So I, I eventually manufactured and patent that device that that basically confines plasma inside a crystal ball. I got in trouble. And it's

V Vishen Lakshani 33:06

spinning when it's spinning display. Yeah.

N Nassim Hamein 33:09

Exactly. Produce gravitational alteration.



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Vishen Lakshani 33:12

So So you believe that within 10 years, we might be able to control gravity to some degree? Absolutely. Yeah. What will this look like in terms of what we as humanity would then be capable of?

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Nassim Hamein 33:26

Well, it looks like being able to come off the surface, literally. Controlling gravity will allow us to put all of our vehicles in the air, so flying

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Vishen Lakshani 33:37

cars, flying cars becomes a reality exactly the Jetsons

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Nassim Hamein 33:43

that will occur. And that will allow us to remove most of the most of the pavement and roads and all this off the surface, give the earth back to the earth. Obviously, that leads to I mean, initially, it will probably just start with common vehicles, like planes no longer using carburation, but using gravitational drive, and so on. But eventually individuals will have the same capability. And they will allow you to, you know, fly outside the atmosphere into space, go to the moon for the weekend, come back for, you know, lunch with a friend and go back for supper. You know, it will allow us to move around about the solar system at a much faster rate. And so if you look at the evolution of consciousness on our planet, it's directly linked to our capacity to move about more, you know, from the cavemen that couldn't go very far, too, eventually us that are able to get on this metal object, which is completely crazy for even 100 years ago, 150 years ago, if you said to someone, I'm gonna get on This metal object and I'm gonna go across the world to Australia, they would say you're completely you got burned at the stake for saying something like that, right. But now we do it daily and we don't think twice about it. It's just, it's gonna be the same. It's just the mode, the technology behind that there's gonna be completed.

V

Vishen Lakshani 35:18

And that's very interesting to think about. If you go back 100 years to the 1920s, it would seem unconceivable that was before Lindbergh flew across the Atlantic, it will seem inconceivable that today, like air travel is so commonplace. And one of the things data points that really struck me was Peter Diamandis saying that between 19 102,000, there was a massive outburst in human innovation. But there was an equal amount of innovation between 2020 16 in 16 years, and there's going to be an equal amount of innovation between 2016 and 2022. And what this means is that we're going through an exponential curve of innovation between 2016 and 2022, we will see as much innovation in the world as between 19 102,000, the invention of the airplane, the transistor, and so on. And it's astonishing when you think about this. So when the same says that this is coming in 10 years, it quite is, it's quite possible that this may be so

N Nassim Hamein 36:12

exactly, and there's a lot of people working on it, and they're very smart people. And But importantly, is that the the physics on the standing and the theory behind it is, is is now present, meaning we're starting to realize, oh my god, particles are not just in some, you know, vacuum space, but they actually in, in the field, interacting with this field. And this is the fundamental discovery that's gonna make all this possible. And so, and since that is present now, and it's becoming more and more accepted by the standard community of physics, and there's a awful lot of smart people out there, it's on its way it's definitely on this way extraction of energy from the structure of space. Is that is that has been done and it's, it's, it's on its way to the public, and a gravitational control. Now,

V Vishen Lakshani 37:11

how soon before you think humanity can colonize a distant star, because traveling to the moon is one

N Nassim Hamein 37:20

thing just to address one thing about the naysayers out there, the physicist that throws tomatoes at me, you know, even when, but I don't mind because I'm Italian, so I can make good sauce with tomatoes. But the, you know, even when the Wright brothers flew the plane, and I'm not gonna say the first plane because there was other people in Europe that were doing similar things. The for almost, up to 10 years, there was papers in physics that were being published, proving without the shadow of the doubt that that could not be done. And that it was a whole, it was a hoax. So you know, it takes a little bit of time for people to catch up to where things are so,

V Vishen Lakshani 38:11

so how long? How long? How long before we can start sending human beings to Alpha Centauri?

N Nassim Hamein 38:17

to Alpha Centauri? Yeah. Okay, well, that's gonna be a little longer. Because we have to open wormholes and

V Vishen Lakshani 38:26

and right, so So wormholes that's a whole nother can of worms. Yeah, exactly.

N Nassim Hamein 38:31

Definitely a whole other kind of worms. And it, but that, but the but the physics are there. I mean, just want to make clear that when I'm talking about wormholes, you know, this is predicted by Einstein field equation, it's well supported by observation, meaning that like Einstein field equation in the form, in their classical form, are very well supported. But, but it was until recently taught that it's not possible to open any of those wormholes and traveled through them. Because the energy requirement to do so we're just over the top. Now that we have discovered that there's this field of information, this field of energy, zero point energy and energy present and that the density of that field is so high. Now it's now the physics works out that absolutely you can open wormholes you if you can tap into that field of energy. And that's why people like Sonny white at NASA and others are, are literally working on warp drives, as we speak today. Right? Right. That's astonishing. See, they can see in the physics and in the math that there's a path to getting

V Vishen Lakshani 39:53

there. So NASA is working on warp drives. Absolutely. And a warp drive would simply be the ability to open a wormhole To jump across space without being limited by the speed of light, and using antigravity using

N Nassim Hamein 40:06

gravity control, and that, you know, will take, probably, you know, a while before we have the expertise to be able to safely reconstruct you on the other side of that wormholes, you know, so that all your molecules end up at the right place at the right moment. So it's

V Vishen Lakshani 40:29

like teleportation, is essentially mean, when you go into a wormhole, you're disappearing. Is that what's going on? Well,

N Nassim Hamein 40:34

you can think of it. And this is where a standard theory doesn't quite cut, cut it to describe what's happening. And this is the new theory that is emerging is basically the whole, all the particles in the universe are entangled. And that's emerging a there's a, there's a theory by one of the greatest theorists on the planet that it's called, er equals EPR. And this is from Sun skin, and others, Monte Cassino and others that show that you can write physics in such a way that that entangled particles which we measure in laboratory, so does everybody know what entanglement is? Right? So you can get two particles to be entangled in such a way that when you tickle this one, the other one laughs, and it doesn't matter how far the other one is, it gets the joke, like you tell it to this one and the other one's laughing, it's like,

V Vishen Lakshani 41:43

and so and it means that you change to spin up a proton over here, the spin of the proton will align itself That's right no matter how

might seem that's right, no matter how

N

Nassim Hamein 41:49

far no matter how far they are, and they are starting to be able to do it with macro objects like diamonds, so that you hit this diamond with the laser and the other one is wiggling, like you're hitting it with the laser. And so basically, and there is no delay. That is it doesn't matter how far the particles are, when you hit it's instantaneous. When you modify this one, the other one is modified.

V

Vishen Lakshani 42:14

Now, if that's instantaneous, then information there is traveling faster than the speed of light.

N

Nassim Hamein 42:19

Well, this is why quantum theory and relativity don't agree so well. But that's the beauty of this view that's emerging that came you know, I came to different the same conclusion from a different angle, $EPR = ER$, ER is for Rosen bridges Einstein Rosen write the R , which is the wormhole equals EPR , which is Einstein Podolsky Rosen. Rosen, which is entanglement at the quantum level. So it's saying that the reason particle become entangled is because wormholes form between them, which is basically relativity applied at the quantum level. It says that that's where unification of physical entanglement

V

Vishen Lakshani 43:14

particle entanglement evidence for micro wormhole

N

Nassim Hamein 43:18

micro wormholes, connecting things. And so basically, when you're what we're gonna do when we're traveling through wormholes is basically we're gonna work on the make, since everything is entangled, and that is coming out in these equations as well. That we're going to make the information of you and the ship and everything in the ship the whole universe we're going to throw it into the wormhole black holes structure network of the universe, and reconstruct it on the other side on you know, might be a galaxy 1000s and 1000s of billions of light years away from here so

V

Vishen Lakshani 44:04

so then, is that traveling through a wormhole or is that teleportation? What is the difference?

N

Nassim Hamein 44:12

Well, yeah, you can think of it as teleportation but the in, in reality, we I mean, it depends how you think of teleportation and the reason I'm hesitating is because there's very specific precise language and physics that describe teleportation. And I'm trying to like say it in a more layman way. But let's just say that basically, I'm going to I'm deconstructing all the information that you are and reconstructing it on the other side after it has gone through the network of the universe, right? If

V

Vishen Lakshani 44:52

but if that's true, then you're deconstructing someone and bringing them back can you deconstruct someone back them up so when they die, you can recreate ate them. Can we? Can we then bring people back from the dead? Like, could I have backup copies of my favorite dog? Yeah,

N

Nassim Hamein 45:08

you already do. But because the information is in the structure,

V

Vishen Lakshani 45:16

yeah. And it paid and disappoints me as an adult, could I just create recreate a 10 year old?

N

Nassim Hamein 45:23

That's a whole nother story? Yeah. Because he might be not so agreeable. Yes. But my 12 year old is already not so agreeable with some of my ideas. But you, you can imagine that? Yes. I mean, what I'm saying is that what you are is information in the structure of space. And you're constantly updating the universe, every plunk second, you're actually updating the universe, about your experience. And, and so you can think of yourself as actually, like, you know, being here and not being here being here and not being so let me put in more simple terms. Let's, I'm gonna give you an example that open won't take too long, I'm going to try to make it short. I have, you know, are you trying to do a simple physics calculation? Right? You would think you can do in high school, right? You want to know how fast your hand is going from A to B? Simple, clear. You know, you start at A, it goes to B, you can't you you figure out how long it took to get there. And you can output the velocity at which it had to travel to go from A to me. Is that true? No. If you're trying to do real physics, if you're trying to actually be completely honest about what you're trying to measure, you have a huge problem. Because as your hand went from a to b, the Earth was spinning. And so you have to add that velocity to your hand moving and it's spinning pretty fast. And then that's going around the sun, right? The earth is going around. So now you have to add that velocity, because while your hand was moving, it did move in that direction with the earth and around the sun, right? So you have to add that, and then the sun's going at 300 kilometers per second in the galaxy. So now you have to add that, and then the galaxies orbiting and then around the cluster, the super wall, your hand is going millions of miles per second now. Right? And so eventually, if you keep adding that eventually you get to the speed of light. So like what is going on? What is your hand doing? Well, it's only moving at that velocity you calculate in high school relative to you. But relative to the universe, what is

the universe doing when it's moving? Then what is movement? What is that right? Well, the only conclusion you can come to is that your hand is undoing itself redoing itself, undoing itself redoing itself. And so it's your hand is your hand, and then it's the hole, and then it's your hand, and then it's a hole, and then it's your hand, then it's a hole. And it's happening at frames of plunk time. So it's happening really, really fast. Just like a movie is frames that appears to produce linear motion, but it's actually frames, you know, that are being passed by a light at speed high enough that you don't see the discontinuity. So,

V Vishen Lakshani 48:47

from that point of view, our bodies are deconstructing and reconstructing itself at plunk second intervals and the entire universe across millions of miles. Yeah,

N Nassim Hamein 48:56

imagine, imagine that concept. Like imagine that that hackery at the Planck scale right? Very, very, very fast. And then imagine that the the dampening of that same I'm doing and redoing itself happening at a much larger scale like biology, you're doing that right now. You know, fishing, like a month ago is not the same guy like you read on your liver, you've read on your your blood a whole bunch of times you've read on your skin you in within three years, you pretty well redone the whole thing. Right? So you're actually redoing it undoing and redoing yourself like every second as well, which

V Vishen Lakshani 49:41

which opens up this question. And this is the final question. This is from one of our viewers, I

N Nassim Hamein 49:45

just want to finish the analogy. So now you can imagine if I get this undoing redoing thing, first of all, I can redo myself a little different if I want to be different, but I can undo my hand there and read Do it there without doing all the points in between. See, space travel across the universe

V Vishen Lakshani 50:10

mind blown. So So you

N Nassim Hamein 50:12

bring your body with it, because

V Vishen Lakshani 50:15



VISHEN LAKSHANI 50:15

you just not so good. You just you just touched on something, which is so mind bending, we don't we're not, we can't go really deep into it. But you said, you can redo yourself somewhat different, you can change your physical appearance, you can change your biology. Now, this comes to a question from Katie, who's watching online? And she says, can we train our programs, or bodies to heal itself from any disease and stop aging? Sort of like Wolverine from X Men?



NASSIM HARAMEIN 50:44

That image never occurred to me, but I can see. Yes, I totally believe so. So why is your body keep redoing itself the same way? Because it has memory in the structure of space. Right? So you so now, well, if your consciousness is interacting, is the interaction of that memory and space, then you should ultimately have the control on what is being remembered. Right? So if you change what's being remembered, then you should get a direct correlation to what's happening. When your body is redoing itself, it might redo. So if it keeps renewing itself, with a tumor on the liver, why can't you change it to renewing itself without the tumor on the liver? Well, people do all the time. Actually 30% of people do they call that the placebo effect, right? Or, you know, spontaneous remission. Right? So the, the, there's a very high level of, of, of studies that are occurring right now to see the impact people call it like the impact of consciousness on reality and on our body. And we see clearly in the studies that we have the capacity to change the material world do you even to influence computers, random generators, you sit the person in front of a random generator, and you ask them to influence it. And I'm not talking some like guru from India or some psychic or like, just like you pluck somebody off the street, you put them in front of a computer, and you ask them to enflame



VISHEN LAKSHANI 52:42

Princeton Princeton University study. Yeah, right now. So we are out of time. But the good news is tomorrow, for those of you who want to come and learn from the same, we're doing he's going to be conducting a six hour workshop three hours in the morning before lunch, lunch break, and then three hours after lunch on understanding the nature of reality. Nasim, could you give us a bit of a clue? In the next one to two minutes on what you'll be touching on tomorrow?



NASSIM HARAMEIN 53:07

Sure, I'm condensing a 13 hour talk into six hours. So I'm gonna talk very fast. And we're gonna Um, okay, so I just modified it, because I went a little extreme at the beginning, and I'm going to back it off a little bit. So we're gonna start with some of the fundamental principles about space and matter. And understanding the relationship between the two. And some of the historic work that was done in understanding this like from from great thinkers, from Einstein to bomb to Wheeler and others. And then and then some of the physics that emerge that eventually led to the discovery and made of the holographic mass, the holographic math solution and how it was supported by experiments. And then we're gonna go wild, that will be the morning that will take the morning so it's not

V Vishen Lakshani 54:18
even till after lunch that we go wild.

N Nassim Hamein 54:22
Well, yes, well, in the morning, your mind might get blown. In the afternoon, the rest of you might. So we'll we'll go into ancient cultures and archaeology in the afternoon and then very advance technological developments that are occurring around the world

V Vishen Lakshani 54:54
phenomenon. So thank you guys. Tomorrow. We will see you for a day of nnessee Thank you

N Nassim Hamein 55:01
thank you so much thank you for having me thanks

V Vishen Lakshani 55:08
please give a big round of applause to Nassim Harami thank

N Nassim Hamein 55:10
you thank you thanks for being here thank you