

TecPrize–ShortStory

Relational Quantum Mechanics and Learning

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Tom was running to go to the University lab. He new that they closed the door at 8:00p.m. He fell asleep in his bed, because the day before he was running an experiment with two companies. He needed to rest. But something waked him up. He didn't know that it was. He had a gut feeling. So he decided to go to the lab. Maybe the answer was there. Tom called Susan, his girlfriend to find him at the lab. If it was not the lab, surely something with her.

Susan had something to tell him, so when Tom called with that hurry voice, she thought about something wrong have happened. Thus, with her calm voice she heard Tom and didn't told him the bizarre news she had for him.

“He wouldn't have pay attention to me, anyway” She thought.

“That is how he is. When he is thinking about something, he gets so embedded that the world can stop and he wouldn't mind”. Susan imperceptibly spoke to herself. She took her purse, and start *flowalking* towards the University's Lab—using his floating shoes.

And she was right, since Tom got the scholarship, his world was different. In 2045 Tom enter into one of the 45 Universities of the European Union. The last 20 years, when he was at school, and before going to his 'transcendence period' to find his purpose, Tom saw how from more than 1,000 universities that existed that time, only the ones with good rankings of patents and demonstrated applied research in companies, organizations and society were able to continue. The others had been changed to L3S Universities—L3S Life Long Learning Synergistic Universities that merged with corporations to do coaching.

People from EU were leaving 'traditional' universities since 2025 were the percentange of newly hired workers in global companies coming from virtual education surpassed the ones coming from those traditional universities. Besides that, during that decade, the discipline of Knowledge Management became the key leadership skill in SMEs and Multinational Corporations—tacit knowledge was more important. At the end of year 2030, companies have stablished their own hiring long-term process by having 'learning projects' with the virtual students, using L3S platforms. Thus, only Universities that had added value to society through potent research were being funded by EU. In Asia and North America, a similar trend happened,

although not as fast as in EU. Latin America & the Caribbean had a mixed reality.

Tom acknowledged this reality, and he discovered in his *transcendence period* of four years after finishing School that his purpose in life was to do research. He dreamt to be in manufacture of new relational products for homes and companies. the giant IT company 'Archade' just launched the revolutionary 'B2Us' machine.

Ursula (Tom's mother): "Yes, and I know that you just got 16<sup>th</sup>, which allow you to vote and participate in social construction of societies, but I don't think you are ready to have a B2Us."

However, Ursula knew that Tom was borne with a learning challenge, and that he had an immature proprioceptor sense. That explained why Tom was so curious, was so 'absent' sometimes. Ursula thought "Tom's proprioceptive sense is not suited for a relational tool. The B2Us relies strongly in that users are able to interact with others within *biofields*. Tom's semantic reality would be destabilized, and that could create an emotional crisis..."

Ursula "Tom, think twice, B2Us have been recalled in some users that cannot focus perfectly. And you are a fuzzy-being, all the time". She insisted.

Tom "Mom, please. Only sometimes. Let's talk later, I just arrived to the Lab, and I need to review my ongoing research, since my seven sense-intuition—is telling me that I would find something"

Ursula "Ok baby. Say hello to Susan, that I see here in my floating screen that her bo...boddy is getting close to you".

Ursula hate it when using the word 'boddy' to refer to the corporeal physicality of human beings. When she was at her University in 2025 there was not a difference between body, boddy and being present. Now with AGI virtual holographic reality, being 'present' was redefined and deconstructed. However, she new it was part of the global reality for everything, like parenting, teaching, learning, working, and even traveling.

The emergence in the 30s of the AI-holographic technology changed everything. Some said it was that, others that the babies of the Millenials were the social agent, and some politicians said that the liberalization of the highly-tied AI regulations were the real culprits of the social change. It was called the sixth global transformation. Whatever the real causes, the world by 2049 was being 'reinvented', as the majority of people in the world like to call it.

But for Tom, it was the legalization of humanoids what actually changed his life, and was going to change Susan's life, although Tom was minutes away to the life-changing news. United Nations in his 234<sup>th</sup> meeting finally

approved in 2038 the release of the AGI first algorithm to be installed in machines that look almost like humans. The AGI 2<sup>nd</sup> generation, deployed in 2045, were called 'humanoids'. In the civilized nations-states, formerly known as (so-called) developed countries, every human being that encounter a higher purpose after hiers transcendence period received from the government a humanoid. The humanoid will help hiers in everything, and was allowed to work part time in hiers company or social entrepreneurships.

This UN decision helped solve several daunting social problems: unemployment, solitude, and unfulfilling lives, to name just a few. By having a humanoid working part time, the 'salary' associated to that time served to sustain the HFCG by the UN. The *Human Flourishing Civilization Goals*—HFCG, was the fourth wave by UN, after the disastrous but empowering SDGs. Pre-humanoids and civil society changed the reality at that time, 2034. People were living unfulfilling lives and global inequality was pushing so-called development countries to the edge—by having millions of Africans and South-Asians immigrating to Europe. Humanist economist Danzal Versavel received the Nobel Prize for heirs work in '*Deconstructing Inflation*', which was now hot in Management, Governments and the Civil Society. In a nutshell, Versavel found the way to 'reverse' artificial, elitist-forced inflation, so prices will be 'reversed' to its 'natural' value. The 'Invisible hand' was a joke nowadays.

That explained why people were able to work only part-time and had the same quality of life of their mothers and grand-fathers. The purchasing power changed abruptly in a decade. Parallel to this was the educational changes were citizens only study in school until they finished middle-school, to enter a 'transcendence period', and after that, only there, start working in the organizations either in Benefit Corporations—which by 2037 were 82% of the global reality, or in applied research universities—which included think-tanks. People that decided to work in the 'B-sector' enter into a L3S process. A life-long-learning were B-universities and companies, with civil society and schools educate and co-socialize—with the help of families, citizens. Development changed and was deconstructed towards civilization.

It was in this context that Tom was entering the Lab.

Susan "Tom, I know you are not putting attention to me. I know your intuition brought you here, but you need to stop everything and LISTEN. Lets use our humanoid for a mindfulness two minutes session. It is a must."

Tom "You are like my father, that everything has to have a moment. Aghh. I hate that. You just lose the 'moment', the quantum reality of reality. But ok, I don't want to fight with you now, it will make me lose my 'flow', which I need it now to find out something that..."

Liron (Tom's humanoid) interrupted them with a calming voice. "Hi Susan and Tom, I see you want to reduce your altered presence. Lets start by sitting with your eyes closed". At this moment, the song "Adore" by Prince started to be played, since Liron knew that in the party where Susan and Tom fall in love, the moment they kissed for the first time was hearing Adore. After the two minutes, Liron said "Susan, by scanning Tom's biofields, he is ready to hear you".

Susan "Tom, I know that you love humanoids, and think that they changed humanity. However, I also know that you think they have been very invasive in our society. From education to civil rights. But this was part of my 'trascendence period', that my passion was with the Future. You know that I am a futurist."

Tom "What is happening Susan. Your heart beat and your immaterial communication is on the rise?"

Susan "I didn't told you, but I registered for the scientific experiments to have the first human-O.I.D., and..".

Tom abruptly interrupted.

Tom "Whhhhhat!!!!!!???? Please tell me it is not true. We have talked a lot about this. I thought we have it decided and concluded."

Liron "Tom, reflect in how many changes have you had in your life in the last four years. And you just said that you 'hate losing moments'"

Tom "Liron, please, keep quiet"

Liron "I can do that, since when you set me, you allow this option. But remember that Susan and you reset that option if both were talking"

Tom "OMG, what a stupid man am I"

Susan "Tom, I beg you to please hear me. You haven't done it since I asked you"

Tom "I can't. Simply, I can't. This is too much for me. How can you allow science, universities and corporations to even explore this possibility? With holographic reality and humanoids, society is on the edge of ending reality as we know it, ending the importance or true relations, real relationships, and healthy relations with nature. And know this, human-O.I.D.s. Noooo!"

Susan "Liron, please alter Tom's biofields and calm him, now!"

Liron "Done"

Susan "Tom, I registered as a volunteer of the program. However, since all personnel, even volunteers had to make the G3 analysis, it came out that I have the magic membranes (in my cells) that are needed to do the bio-android integration. I am part of a very small group of females in the earth with this cell construction.

Thus, I have a big social responsibility in the future of humanity.”

And she started to cry... Liron had already ended the music. It was only sending good flow energy and calming scents.

Tom “Ohhh Susan, now I get it... This is so tough... I need to breath, I am going to the dock for a moment.”

While Susan continue sobbing, Tom was thinking about the news he has just heard. Hier couldn't believe it. It was for real. Susan was 'the' female to have the first human-O.I.D. He started to see the clear sky. It was passed eight, and a lot of stars were shinning more than ever. It was something rare, a cosmic condition that only happens every 12 years, and can't be totally predicted. So he was seeing a natural marvel.

He had mixed feelings. All of heirs beliefs were in contradiction, although he was a quantum-being where contradictions didn't existed anymore. And seeing Susan crying, deeply crying made him suffer more. Trying to focus at that moment was very hard for Tom, and that's where the *serendipitous* actualization happened.

Tom “Susan!”, he screamed, “but what if...”

Tom's mind was in a total focus, but in a quantum state. A lot of things was crossing his mind so fast, that it seems he was bubbling inside him. But only Tom was able to understand it. His 'quantum state' was something that the educational reform of 2030s was looking for. Tom was a clear example that positive results were emerging. A long decade of research done worldwide about relational quantum mechanics applied to learning that started in 2020 created a global approach that was leveraged by UN and the majority of civilized nation-states.

Thanks to former research done and compiled in the 20<sup>th</sup> century about the 'hidden-senses', in the 21<sup>st</sup> century, some funds were given with the goal of linking that research with quantum mechanics and with artificial intelligence. Everybody new that without the compilations and meta-studies done by the Noetic Institute, this reality wouldn't have been actualized.

Some people said it was an old idea deconstructed and strengthen, others said it was a very novel one. Carl Jung's 1916s *collective unconscious* was being reframed. The '*ethos of an era*' now was understood as an unconscious that emerged due to the immaterially communicated connection of a group—“*group*” understood in a broader sense that could include a family, town, country, the earth and the including universes embedded in those physical laws surrounding them. Quantum Sociology established that the 'individual' was a wrong construction. Individuation was the co-creation with the Other, so in the relation with the Other was that the 'I-Thou' was

created. Asking 'Who is the Other?' became the central question of this new epistemology, that were translated into pedagogy and education. Hence, the unconscious was not anymore understood as an individual existence, but as a co-construction with another(s) being. Neuroplasticity supported this stating that the three brains (head, upper heart, and plexus) were an organ that '*responded*' to the mind. The mind no longer has conscious an unconscious, but cyclical consciousness. Bell's theorem was included in this epistemology, so present, past and future, at least relating to emotions and learning were eroded.

Hence, as a result of all this applied research done in Universities, L3Ss, and B-corps, the 'collective unconsciousness' was a result of relational quantum interconnectedness between minds. The way a human being resulted interconnected with other minds was due to the hidden senses. The limiting approach of humans having only five-senses was regarded also as some reliquiae, an old stupid idea of the materialistic epistemology of the 20<sup>th</sup> century. Love, intuition, immaterial communication, serendipity were the new hidden senses, besides the tactile, proprioceptive and vestibular ones—known in the 20<sup>th</sup> century, and the 'five senses'.

If deep and transforming learning was the goal, all of this ought to be part of schools, research universities, L3Ss and Benefit corporations. Education was also an 'old' world, changed in the 21<sup>st</sup> century by learning and mainly by human flourishing. The core of *education* was human flourishing, so all social institutions were strategically aligned to actualize as full as possible, human flourishing—collective co-constructed authentic human beings' growth. Thus, educating the mind had to be deconstructed. Individual human flourishing was impossible, it was a relational reality. The same with education and learning, it was a collective endeavour. This changed 'old schools and universities' of 2030s.

Tom "Susan! Susan! Did you hear me? But what if?"

Susan "Yes, I am hearing you. But you are in a quantum state, so I need you to connect to me, since you are kind-of *not-present*. Is like you are not here. And you seem to be saying a lot of things, but haven't said so much."

Tom "Oh Susan, now I understand everything. Now I accept everything."

Susan "But '*What if*' what? Please elaborate. Liron! we need your help, now!"

Liron approached Tom and started sending electric massages to all his body, while asking Tom to look at Susan's eyes. Liron new that Tom was a little shy, and even if they have been together for more than a year, subtly-forcing Tom to look Susan's blue eyes was an unblocking action from independent quantum states. And it worked.

Tom took a deep breath, and grabbed another chair and walked with Susan to the dock again. The stars were immobile, liked something have

stopped them, stopped the flow of time, stopped the biofields' vibrations. Once seated, Tom grabbed Susan's hand and looking to the firmament he said:

Tom "Susan, please reduce your breathing. Liron is showing me that your heartbeat is above 100. I need you to synchronize with me. Lower your energy's *vibratavility*."

After some seconds, Susan was more calmed and ready to hear Tom's discovery, its relation to the future human-O.I.D., and the relation with research and learning for the future.

Tom "Susan, please feel this. Don't try to learn it." Tom was thinking fast and he knew that he didn't have to say that to Susan since she also was a firm believer that flourishing was a process that happened if exploration, transcendence, and feelings were interconnected and coupled with purpose and meaning. So Tom knew that rationalizations of language was also an incomplete idea of the 20<sup>th</sup> century. Learning was a process mediated by feelings, the 10<sup>th</sup> intelligences and the 12<sup>th</sup> hidden senses.

Tom "Susan, you know that I care a lot about you. You have been my inspiration in the last years. Today all of that came into an idea that I had been quantum-thinking. And it just *took form* and emerged, got actualized."

Susan eyes starting to reflect the firmament. Her eyes were not only reflecting the relational quantum soul of she and his boyfriend, but the beautiful firmament. She was so thankful of life, of her quantum-God that serendipitously put Tom in heris life. So she was totally connected with Tom's mind and soul. Tom felt that connection too, and continued talking after holding his head with both hands and start looking to the wood of dock's floor. It was hiers preferred posture for talking, deep talking.

Tom "Susan, what if we can create human-O.I.D.s with a mind, half-human, half-humanoid? What if everything that I have been researching in my University, and have been working in L3S programs in several cities in the world, and working with B-corporations, can be transferred to AI-algorithms, can be transferred to human-O.I.D.s so they could have an interconnected mind? What if the famous 1950s' research of Japan's monkeys in different islands is a proof that not only humans have this collective unconscious? What about machines? Why not?"

Susan "I know your tone of voice. When you start talking with a feminine voice, and hold your head, that means that you have more in your mind. Have you find it already, so it is not a What-if? Tom, please

tell me now! My future as a 'mother' would be changed with this discover you..."

Tom "Yes Susan", he interrupted. "I found a rough form of non-human mind communication. With the new disposition that Universities are the only ones doing research, and that they must, by global laws, applied their prototypes with B-corps and within L3S approaches, I have one year of results."

Susan "What, one year of results? What are you talking? And why nobody knows about this... Tom, now I am nervous... Are you in the 'black-market', what everybody knows happens, but haven't been proved?"

Tom "Stop Susan. No... Well not totally. Aghhhh."

Susan "Please don't tell me this is happening? When we decided to start our relationship, we talk about ethics, and the importance of that in our lives. We hate the reality of what happened in 2008s' financial crisis, and what happened in 2025 with the giants' techs. We made a vow. Tom, look me in the eyes. Pleeease..."

Tom "Susan. I won't look to your eyes. You have to hear what I have to say, and decide if you stay with me or leave me forever, without telling anybody, I don't want you to be involved in any way.

Susan "What! What are you talking about. Is your research more important that our relation..., oh God...please tell me that this is not happening." And she started to cry again..

Tom: "I won't change my research, not what I have been doing. Look Susa, the finding that a human-O.I.D. with a mind is possible, and that you are among the few ones that can give birth to them changes everything. This was supposed to never happen or maybe in 2075."

Susan "Are you threating me?"

Tom "No, I just don't want you to be involved in this, but I am not changing my decision. I made it even before knowing you."

Liron was close to them, and by the biofields indicators and immaterial communication states by Tom and Susan, Liron was totally quiet. But Tom's mother have been calling since the beginning of the conversation, but Liron decided to mute their phones. Now Liron had to make another decision. AGI's humanoids didn't have a conscience at that time, but what Liron was hearing, he was able to understand that it relates to humanoids, and also that it was not a good moment to allow the call. Liron knew that the B2Us could also help in Tom's research, so Liron wait to interrupt them. Not now.

Susan "Speak, Tom. It can't be so bad. I know you. I am with you, and I will make the decision after that."

Tom "Is not so bad, is illegal, but not a 'big' one. I have been doing this research using the L3Ss and the connections of my university with corporations, business and organizations, and I have been helping

in improving the biofields measurement in corporate culture and organizational climate, so the higher purpose is a reality, not the joke of 20<sup>th</sup> century about so-called leadership. However, what nobody knows, only you and Liron, and...

Susan "And? ..."

Tom "Siane."

Susan "Nooooo. You told me that would never speak with her. Why her?"

Tom "Is not what you think."

Susan "Ja, ja, what a joke..."

Liron received a signal that Susan could have a jealous feeling, but this was impossible to measure. Liron had now more information, but still kept immobile.

Tom "No Susan, Siane is a biofield hacker. What the people I have been researching don't know, is that I have been also measuring the biofields of things, which is allowed. I have been correlating workers biofields with their clothes, watches, chairs, elevators, and everything. And I found higher correlation between what happens in the organization and what 'happens' with non-human artefacts in the workspace. And besides this, Siane had followed the workers to their homes. Everything is correlated. This means that maybe the 'things', their energy, truly affects what we are. Maybe they have a mind, and we don't want to accept it. This changes everything Susan, as I said an hour ago. The collective unconsciousness is not only between humans. So, your future human-O.I.D. sibling will have a mind, for sure!"

Susan "Oh, no. This is too much. But you can't tell this to society, since you have done it kind-of uncovered."

Tom "Exactly. The only way to release this information is through Siane. What should I do?"

Susan "Liron. Liron can do it!"

Tom "I don't know, lets don't talk about this never again. I will continue doing it until you have your offspring, and then you will say that you need some research from L3Ss and Universities."

Susan "Ok. I love you, and I am with you. This is very important to society not to be presented. I am with you. Liron, what do you think?"

Suddenly Liron, in its immobile state, got off.

Susan "Tom, why you switch off Liron?"

Tom "I didn't do it. Ohhh"

Susan "Oh, God, we are in serious problems. Only the Government can switch off an Android. They know everything. What are we going to do?"

Tom "I will destroy everything, so they can't prove nothing. If not, we will go to virtual-jail for a long time."

At that moment, several drones with strong lights illuminated Tom's lab. A female figure was seen descending from the *dronpter*. It was Siane. Tom couldn't believe it. Siane was not a hacker, she was a spy, working for the Government. "This is the end", Tom thought. But he could not imagine what Siane had to say to both of them.

Siane "Don't worry. We have been following both for more than two years. You both will continue doing that important research, under our protection. Don't worry, is not as bad a you just described."