

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

تَرْفَعُ دَرَجَاتٍ مِّنْ نَّشَاءٍ وَفَوْقَ كُلِّ ذِي عِلْمٍ عَلِيمٌ

Speech language of atoms

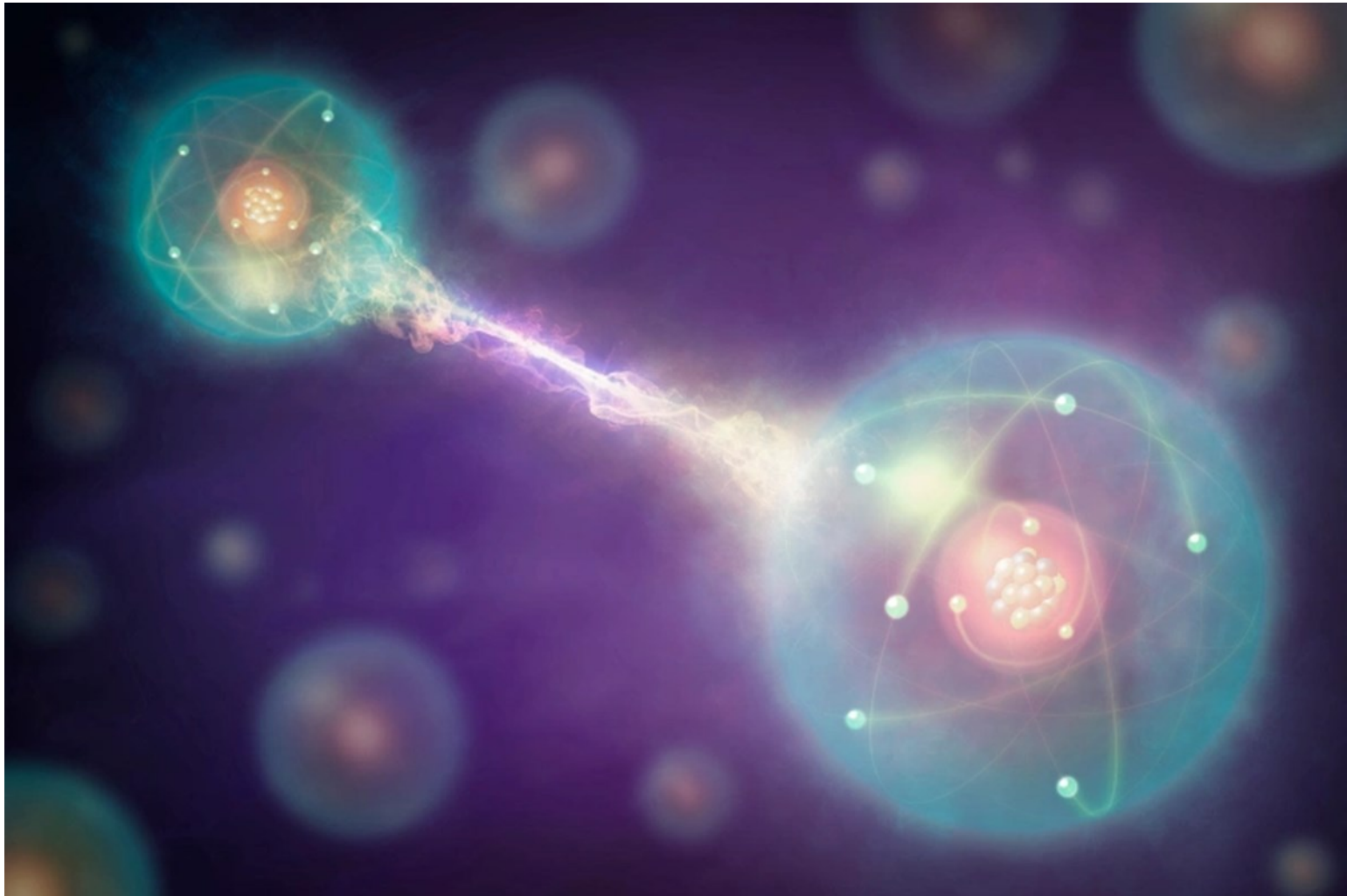
- DO THE ATOMS HAVE SPEAK EACH OTHER?
- WHAT ARE THEIR VOCABULARY?
- HOW DID IT HAVE BEEN SPOT?

Inter-atomic language

THE OBJECTIVE: •

THE PURPOSE IS TO UNDERSTAND THE MECHANICS, BY WHICH THE ATOMS FEEL TO EACH OTHER, IS CENTRAL IN DEVELOPING THE PRESENT TECHNOLOGY TO MORE EFFECTIVE AND DEEPER LEVELS.

Inter-atomic language



Inter-atomic language

For the first time, a cooperative study between German and Dutch universities had enabled to listen to a conversation run by 2 atoms together using highly confident techniques so that it may help in achieving better dealing with quantum computers representing the promising technological revolutions since decades.

Of course that the atoms does not talk to each other as human does but they feel each other and exchange the signals together so that one direct the other to work some thing inside any atoms-formed system like the table, our body or any object over the wide universe.

Inter-atomic language

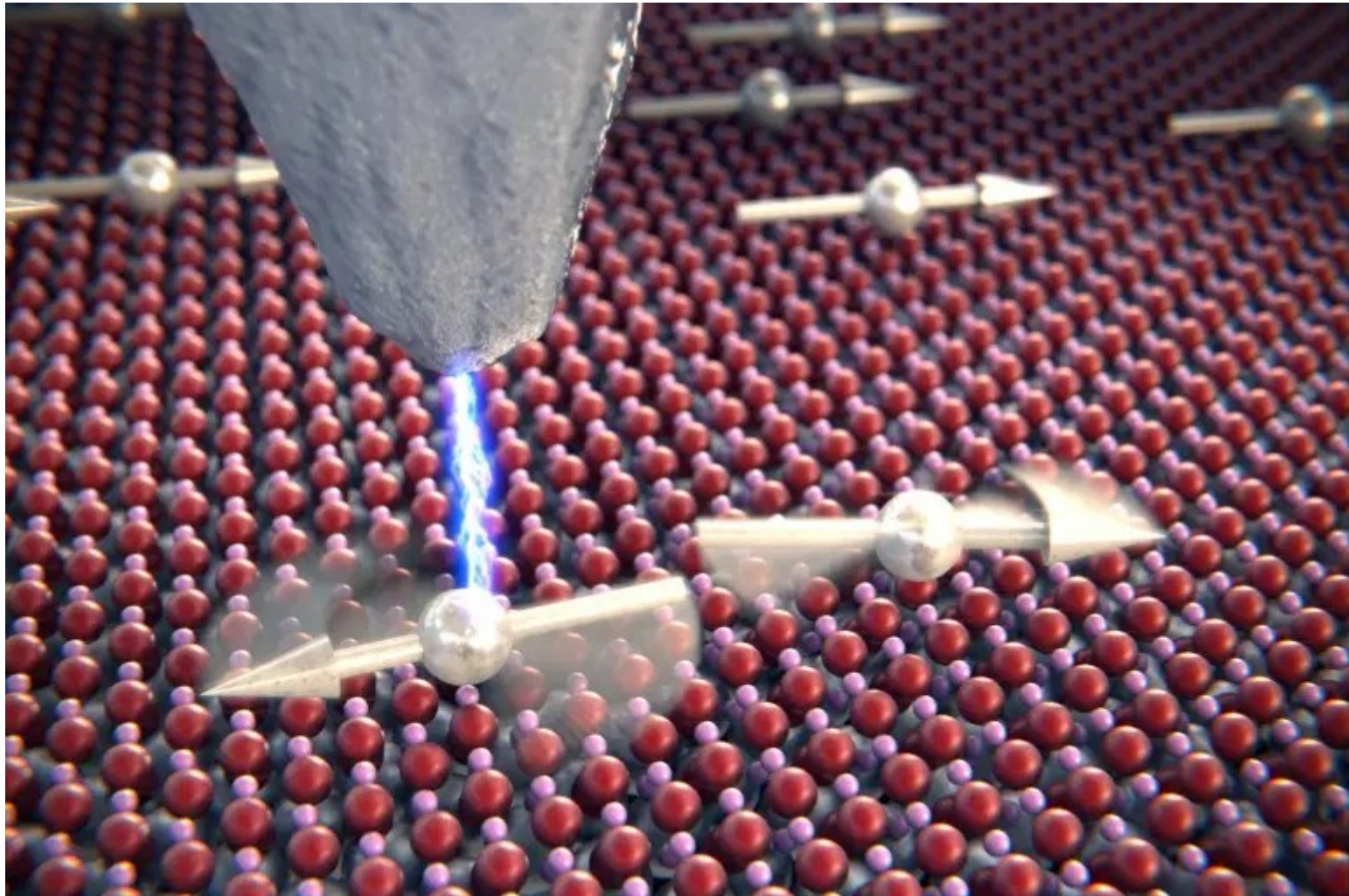
For these findings, published in the prestigious periodic; Science; and announced as an official certificate by the Dutch University; Dluft; cooperated in this study at 21 may 2020, a technique, known with “*scanning tunneling microscope*” whose magnification ability is X 100 million, had been used to put two atoms side by side and to see what will happen.

According to this investigation, this is possible thanks to a fine needle scanning the atoms and making them next to each other and enabling them to be rearranged and in this experiment, that microscope had been applied to put two atoms of titanium on a distance not more than 1 nanometer($1/1000000$) and such distance permit one atom to feel its neighbor.

Inter-atomic language

Thereafter, it was resorted to firing a suitable electric current to reverse the spin (the spin is one of the fundamental character of atomic particles resembling the rotation of earth around itself and this is the nearest example known and it is like the human essential features for example, voice or laugh. Also the application of spin can be obvious at the level of our field in chemistry of molecules to facilitate the identification of organic structures) of the first atom, to rotate in the opposite direction and, consequently, the second one will feel and respond and, at this point, this atomic response will be recorded as an atomic conversation.

Inter-atomic language



Inter-atomic language

Of course this conversation is not like either our speech or the putting 2 small magnets neighboring to affect each other since the rules of atoms quantum mechanics differ from our world rules and the *superposition* can illustrate such atomic conversation in that, according to the quantum mechanics theory, the atoms can be in states of superposition which means that the atom is to be present in multiple quantum states at the same time resembling the matter of someone to make a group of conversations with a friend at the same moment.

Inter-atomic language

These quantum abilities will serve to explain some strange phenomena like *superconductivity* which is the ability of atoms to lose, suddenly, their resistance against the passage of electric current the matter which is applied in approximately all technological zones from computerization to the energy.

On the other side, these quantum properties are used in the quantum computerization fields that double the rates of computers by many times in compare with classical types.

Inter-atomic language

For these previously mentioned criteria:

Understanding the mechanics, by which the atoms feel to each other, is central in developing the present technology to more effective and deeper levels.

Inter-atomic language

Finally and additionally, my rationalization and explanation about these conversations and foundations is the verse of Holly and Great Quran

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

وَأَنْ مِنْ شَيْءٍ إِلَّا يُسَبِّحُ بِحَمْدِهِ وَلَكِنْ لَا تَفْقَهُونَ
تَسْبِيحَهُمْ أَنَّهُ كَانَ حَلِيمًا غَفُورًا

صَدَقَ اللَّهُ الْعَلِيِّ الْعَظِيمِ

Inter-atomic language

Thank you