

“Genesis 4D”, Project

A new era in art

This immersive 360-degree experience by sculptor Miguel Peraza can be enjoyed through May 31 at the “Luis Enrique Erro” Planetarium.

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Is there a parallel world between the real and the virtual? According to sculptor Miguel Peraza, it is indeed possible to travel through both universes using art, quantum physics, science, technology, and philosophy.

This is precisely what the Genesis 4D Project offers—an opportunity to navigate time and immersive space, awakening the senses and imagination of viewers.

During the presentation of Genesis 4D at the “Luis Enrique Erro” Planetarium of the Instituto Politécnico Nacional (IPN), the artist shared that the project was born from a personal experience. Due to serious health issues, he spent several months hospitalized, and during his recovery, he reflected on his professional journey and his contributions to society.

He explained that he decided to live and move forward. He felt like a castaway—an experience that forced him to rebuild himself from his splinters, which he used to create a new vessel: Genesis.

Peraza stated that this visual project is based on his 2015 sculpture Genesis, a vessel approximately four meters high and three meters long. The piece was 3D-scanned, and using the point cloud data (vectors), a full-color digital image was created.





"Genesis 4D", the first 4D cryosculpture in history



**Art that is not for
everyone is not art**

As a result, the sculpture transformed into a combination of linear, spherical, organic, and fractal geometric shapes, which come together to form hyperbolas that challenge traditional perceptions of art through tetradimensional elements that stimulate the viewer's imagination.

Developed in three dimensions, the digital version of the artwork includes shadows that can be deformed or left behind. Genesis moves through a lead bottle that symbolizes the fourth dimension in our world: the three-dimensional space moving across different planes, within a fully immersive 360-degree environment.

At the event, organized by the IPN's Secretariat for Research and Graduate Studies (SIP), the artist emphasized that one of the project's main goals is to open spaces for the transmission of knowledge, as art allows humanity to travel deep into the soul.

"We are human beings who create through spirit—this is what sets us apart from the rest of nature. We can adapt to new forms and environments; we must open ourselves to new codes or aesthetic alphabets that revolutionize existing paradigms," he said.

For Peraza, who has more than 50 years of artistic experience, Genesis 4D helps establish such codes. It shows that individuals should not fear being dominated or replaced by Artificial Intelligence (AI) and new technologies.

The project also challenges aesthetic exploration, urging society to rethink the boundaries between art, mathematics, quantum physics, philosophy, science, and technology. It creates an interweaving where time becomes space and space becomes time. As the viewer moves through and contemplates the vessel, various sensations emerge, such as touching, walking through, or passing beyond the artwork.

According to the artist, all individuals are multidimensional beings, and his work provides a foundation to understand how our neurological system functions. It is an invitation to a quantum journey—a portal into the infinite possibility of parallel worlds. Moreover, this is the first 4D crypto-sculpture in history.

Lastly, Peraza noted that the project was developed with the collaboration of the IPN's Center for Computing Research (CIC), as well as the Universidad Autónoma del Estado de México (UAEMex), the Universidad Nacional Autónoma de México (UNAM), the Universidad Autónoma Metropolitana (UAM), the Universidad de la Comunicación, the Universidad Tecnológica Bilingüe Internacional Sustentable, and several private sector partners.