

THE TRANSPARENT DREAM

For economy quality
Project economART by Anna D'Ambrosio

OPENING: 29 may 18:30
from 29 may to 21 june 2014

"It 's malleable durable, lightweight but very dense, transparent. Especially flexible and incredibly adaptable. Why did I chose it?
Because graphene is like me."

I've made Rachid Khadiri's (born in Morocco and educated in Engineering in Turin) words mine for my new project/ dream that marks, in 2014, the beginning of a new artistic experimentation for Amy's Art Space and for the economArt platform that promotes a qualitative economy.

The dream is the new and unexperimented introduction of a new material in Contemporary Art, defined by the scientific community as the new "Holy Grail", wonder stuff and / or of the future; to a layer only one atom, consisting of carbon of nanoscale dimensions.

And to think it all started with a roll of tape and a pencil.

To create new generations of super-materials becomes possible thanks to the discovery of a "butterfly" known as the Hofstadter butterfly; the first to experience this possibility is graphene, the strongest and thinnest material of the world, the discovery of the material was awarded the Nobel Prize for Physics in 2010 assigned to the Russians Andre Geim and Konstantin Novoselov presented at the University of Manchester.

The gestation of "The Transparent Dream" , the result of a two years long process , required - mobilization - of all institutional contacts that could help me to understand the complexity of the operation that I wanted to undertake and the infinite potential of the new material .

In an age dominated by technology where innovation not only responds to human or personal needs but creates procedures , methods , new needs , art can generate a " virtuous destabilization " conceiving the artistic process as Don - action .

With the end of the myth of the "genius" contemporary artists must be able to share their experience with others within a network of knowledge, they must complement each other (relational art and artist plural).

The work of art today draws the strength of disciplines as diverse as quantum physics , robotics , genetic engineering , neurology , space exploration , elaborating an expressive and communicative technological innovation and transforming them into a new language in which the data is to be returned a value, not only economically , but " experiential " and "emotional ."

Consider powerful artworks such as : United entropy of Sassolino 2005 or On Space Time Foam in 2013 by Thomas Saraceno.

The commitment and the challenge is to ... put together technology and scientific innovation with artistic creation and for this reason the N.S. exhibition project does not qualify with the exhibition of art, but as an incubator; research and synthesis of pioneering, endless and unique applications .

THE TRANSPARENT DREAM is therefore a challenge for the future of a kind of contemporary art, expect something really new from a potential artistic become disruptive.

"... let's give them a new language if Arte wants to say and create wonders."

The objective of AMY D Art Space with "The Transparent Dream" is to test the form of graphene sheets, inks, powders, airgel, thanks to a group of selected artists who will decline the material in artistic creations.

The material and work are and become inseparable entities; the decision on the material to be used, transcends the aesthetic and enters in a complex territory, inseparable from nature and respect for the material.

During the opening and launch of the new platform in the exhibition "NOBODY" 2013 by Mattia Novello (who reassembled to pool tables, previously destroyed) the material will be presented with an investiture.

This will be the beginning of a path (defined as the strategic plan) that will specialize in exhibitions, workshops and performances on smart materials (silicene, airgel, nanocellulose), in which the works will have representatives of industry that will be able to carry on the project economART on graphene until Expo in 2015

Richard Feynman in a letter dated 1959 that marked the beginning of Nanotechnology saying "there is still a lot of space down there."

"Beauty" is the name of the Science Festival in Genova, the eleventh edition in 2013 in the wonder of discovery, in the power of the phenomena, in the elegance of a theory: the beauty colours our astonishment and takes us to new challenges."

It 's a journey into knowledge and the invisible that allows the freedom to be able to make mistakes, where they merge interconnecting pathways conscious of the intelligences with the creative sensibility; the journey to the nanoscale enhances not only knowledge, but also the sense of wonder, mystery and respect that you can try in front of a flower.

We Amy - d Art Space, we will do so with the Arts and for Arts.

Critical Text

JACQUELINE CERESOLI

Partnership

Festival della Scienza di GE (presid. Manuela Arata) e Chiara Quartero

Prof. Gaetano Guerra	Unisa Salerno
Prof. Maurizio Galimberti	Politecnico di Milano
Prof. Emilio Parisini	Politecnico di Milano
Prof. Vittorio Pellegrini	ITT Genova
Ing. Carlo Leardini	Pentachem
Francesco Bertocchi	Nanesa s.r.l
Alberto Donelli	AMA Composites S.r.l
Massimiliano Piazzolla	Picotech s.r.l
Caldara Stefano	Italfim s.r.l
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The European Union has chosen the Graphene project (along with the one on the Human Brain) with a record funding of one billion Euros for the next ten years allocated as flagship initiative to build the future of technology and innovation , launching the graphene Flagship, an initiative with co-ordinated research on an unprecedented scale .

The new futuristic material has depopulated the patent office with thousands of recordings in recent years.

Before China with 2,204 patents, followed by the United States and Korea; graphene is the promised land of science meant to become the miracle material of the twenty-first century, as plastic was in the previous century. Samsung has registered 407 patents that evolve around graphene but also Nokia and IBM have moved in this direction. In Italy, the DirectaPlus is a nanotechnology startup that with the project Atanòr deals with water treatment, reinforcement of tires for cars and bicycles, textile applications and playback of sound .

IMAGINE a material capable of conducting electricity better than copper, glass-clear, ultra-thin and stronger than steel (200 times more). Imagine then to be able to bend it as if it was plastic and realize that touchscreens can be rolled up and put into your pocket.

A square meter of graphene, just to give you an idea, weighs less than a milligram, has extraordinary electrical, optical, thermal and magnetic properties, which will open the way to a great mass of applications: from aviation to science of materials, from biotechnology to semiconductors, the removal of arsenic from drinking water and the creation of alternative energy sources.

Andrea Ferrari , the new director of the first " Graphene Center" opened in Cambridge, says

"I would say that is the egg of Columbus. Thanks to its characteristics is a technology platform with almost unlimited applications. "

"The obstacles to overcome are the production of the material, from the costs and competitiveness with other technologies."

Note of Lome Lanning:

"A technical means, or a new material even if at the highest level does not automatically give its possessor the ability to be an artist.

Primitive men used the coal and land to paint and their images are the most spectacular ever made, because the instinct to figurative representation is the oldest form of communication. Simply the means have changed and will change again, but the human spirit will always have the ability to perceive and reprocess messages that come if the artist will let flow his world through his work".