

Tina Salvadori Paz

Selected works

An entangled time machine

ToccaUnoToccaTutti

Capitalocene. Video works

Unbreathable. The Ethiopian series

Electronic devices

www.tinasalvadoripaz.it

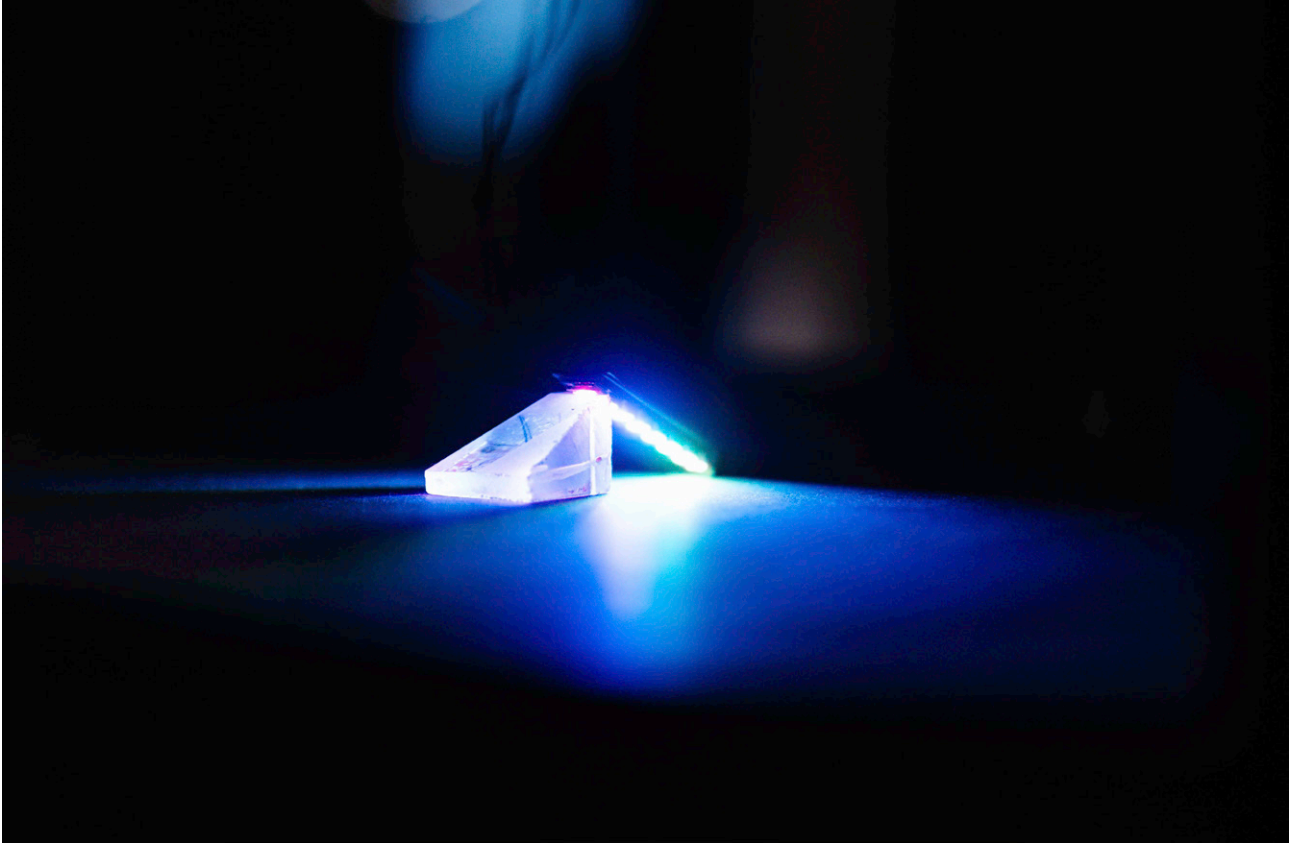
An Entangled Time Machine

2023

in collaboration with

La Science de L'art - Collectif pour la Culture en Essonne, Sainte-Geneviève-des-Bois, France

Grasping the Cosmos - curated by Valeria D'Ambrosio e Pietro Centorrio, Villa Galileo (Museum System of the University of Florence) and Galileo Galilei Institute for Theoretical Physics, Florence, Italy



In an era fraught with ecological, social, and political upheaval, the concept of time becomes precarious, prompting us to reevaluate its significance. Karen Barad's query encourages an examination of how quantum physics has reshaped our understanding of time [1].

Embarking on a collaborative journey alongside physicists Nicola Poli, Valentina Parigi, Riccardo Sapienza, and Caterina Foti, I ventured into the research laboratories of LENS in Florence and Kastler Brossel in Paris, seeking to unravel the implications of quantum physics on our conception of time.

This exploration birthed two 'time machines,' not in the conventional sense of linear time travel but as symbolic embodiments of time as relational. Inspired by the complex experiments conducted in these laboratories, these machines challenge the traditional notion of a fixed, universal time, instead evoking the complex concepts of quantum correlations, superposition, and entanglement.

The project finds its home in Villa Galileo, perched on Arcetri hill in Florence, where Galileo Galilei once resided under house arrest for his "heretical" views. This historic setting serves as a fitting backdrop for grappling with radical questions at the intersection of science, society, and politics.

An entangled time machine

multimedia installation, 2023,

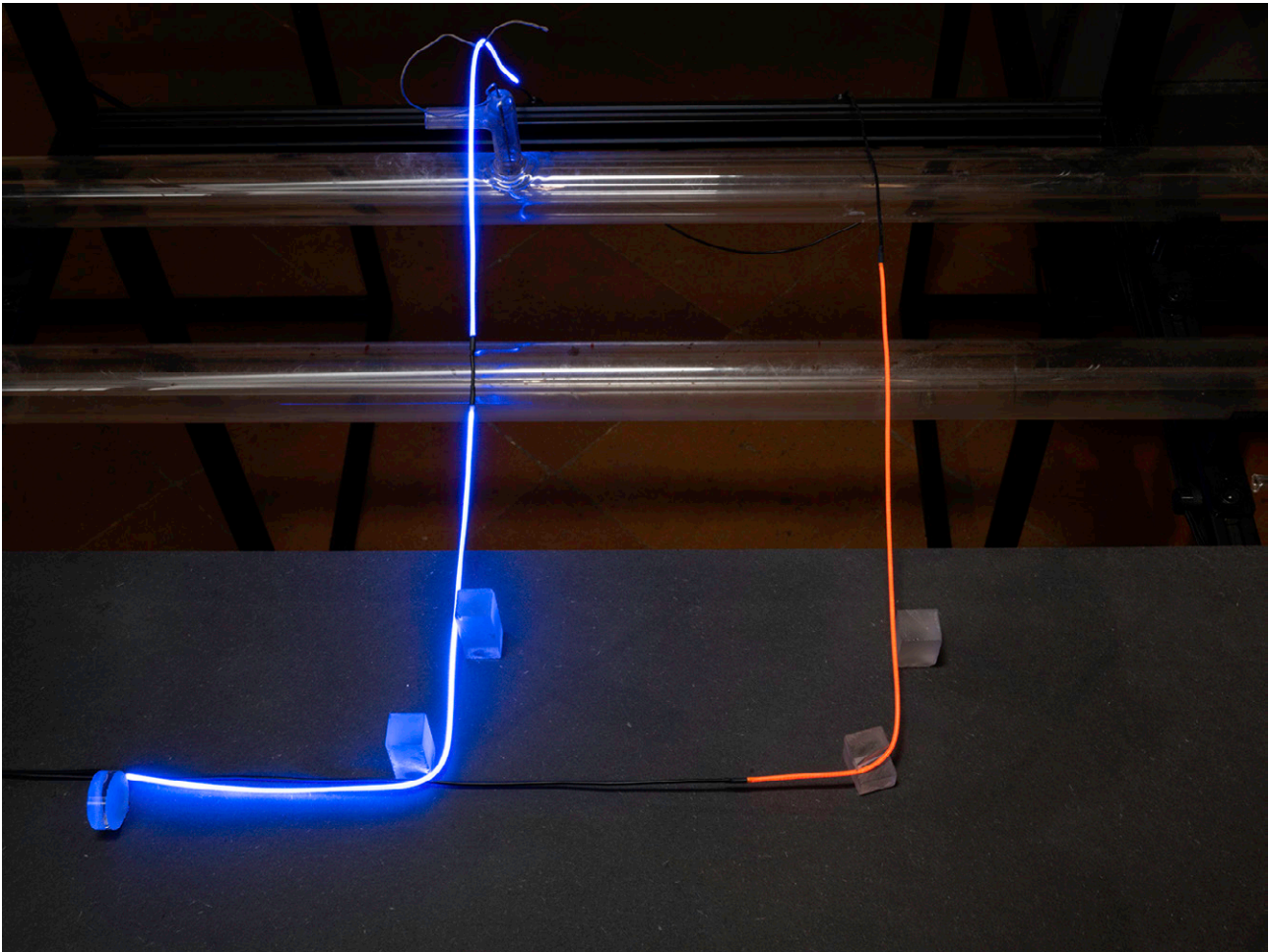
Radical experiments in correlation, detail

Photo credits for the project: Giulia Lenzi, Andrea Abati, Luca Sguanci

Every single vibration

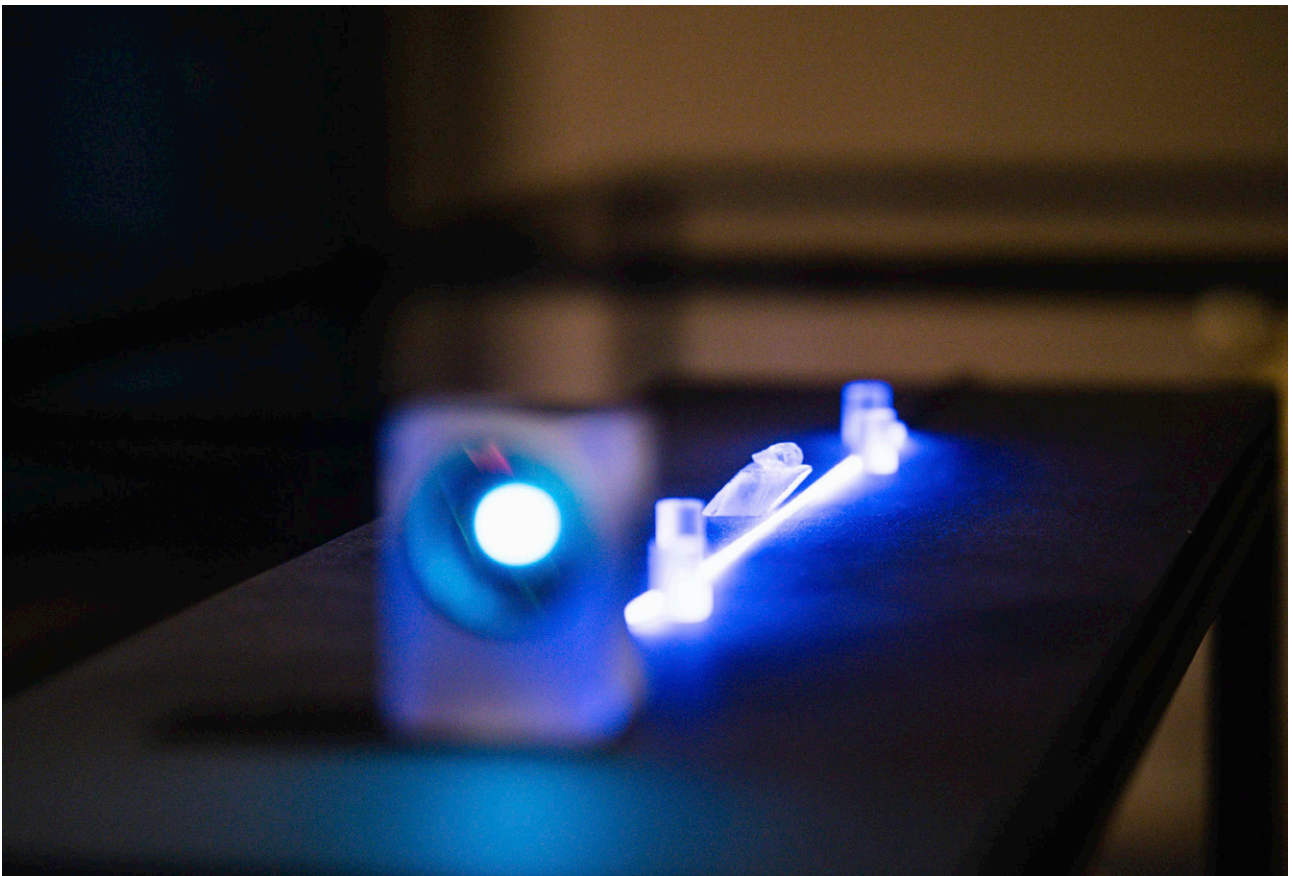
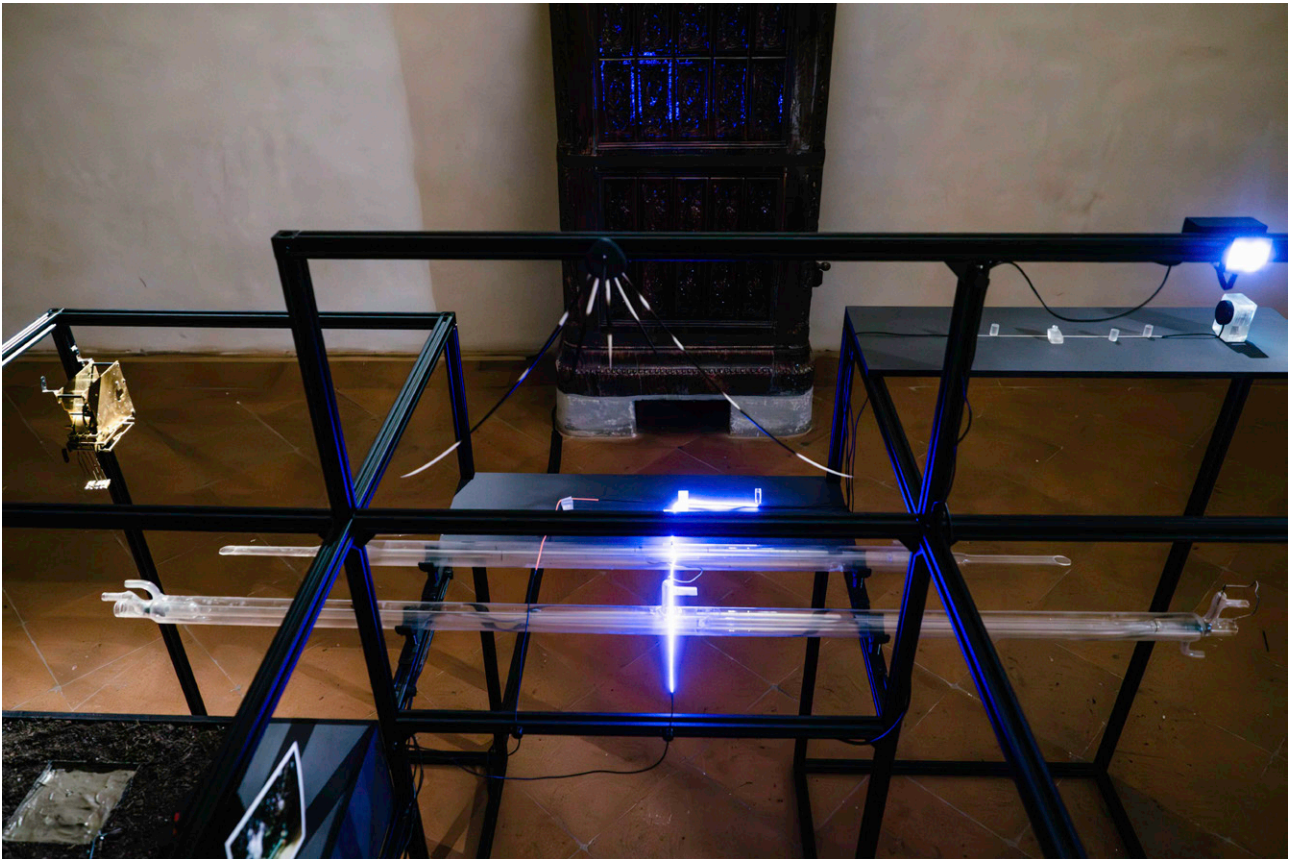
2023

Every single vibration, inspired by the optical atomic clock developed at the Lens laboratory, incorporates various oscillations from natural and cultural systems. These include historical measurement tools like a volcanic rock pendulum and a sundial made of porcupine bristles, as well as biological rhythms such as those of geobacter bacterial colonies. Visitors activate the machine through their heartbeat, which synchronizes with the flow of Alice Munro's short story "The Moons of Jupiter" on an LED matrix. Other rhythms, like a leaf swaying in the wind, are captured by an accelerometer, connecting diverse vibrations to the concept of time and matter interaction.



Every single vibration

multimedia installation,
details, Villa Galileo, 2023



Every single vibration
multimedia installation, 2023,
details, Villa Galileo, Florence - IT

Radical experiments in correlation

2023

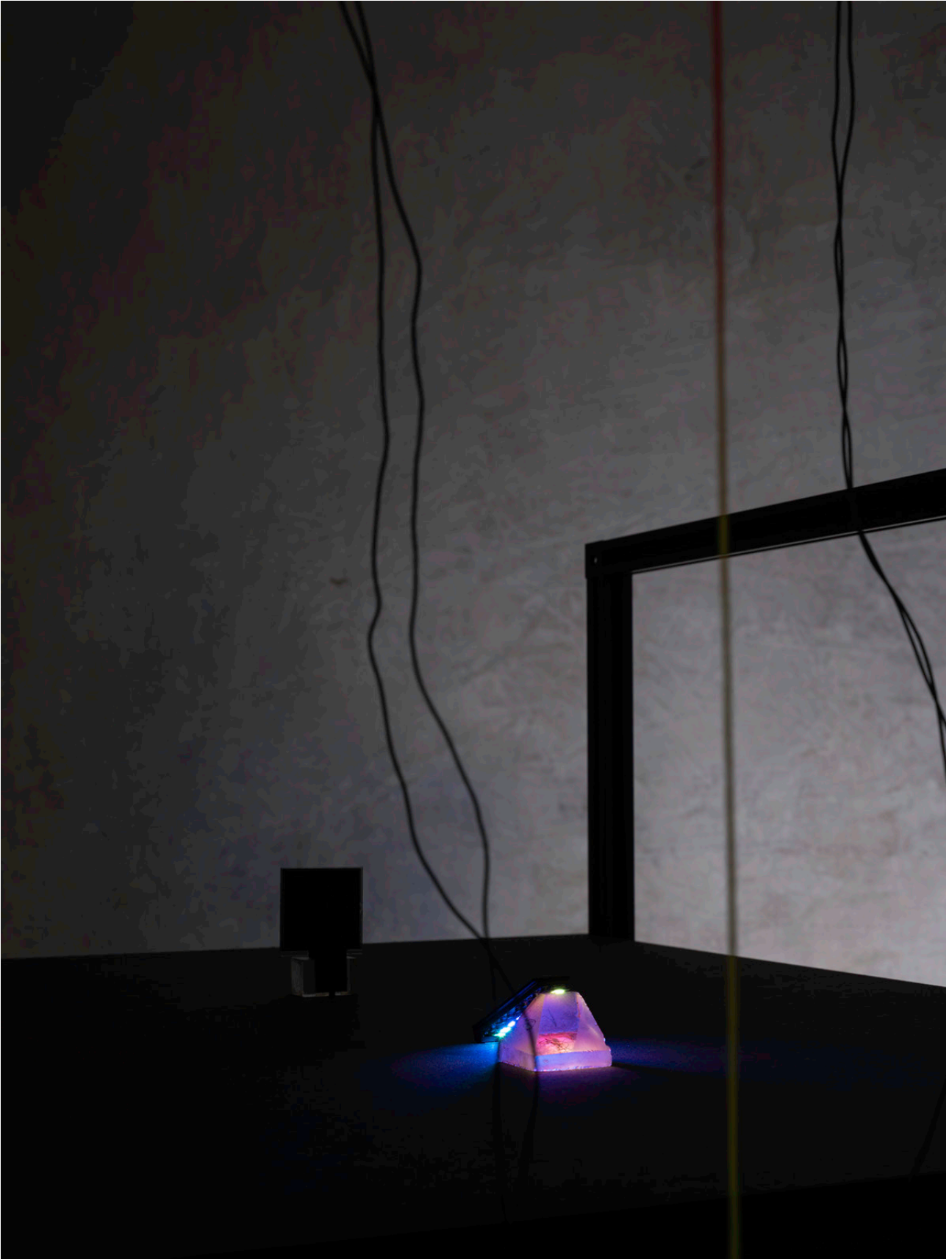
This machine draws inspiration from key concepts of quantum physics like superposition and entanglement, which defy classical physics principles, and their connection to time. The first part recreates a recent experiment by Riccardo Sapienza's team, simulating the double slit in the time domain with a minimalist setup. Multicolored light and oscillating wires represent interference patterns in the frequency domain. The second part reflects Valentina Parigi's experiments in Paris with nonlinear crystals to generate entangled states of light. Vibrating rings on colored strings symbolize entangled photons, leading to a miniature cinema showing a video from the AAMOD archive, where black and white images are diffracted into colors via beam splitters, symbolizing quantum correlation in time. This video choice signifies our collective effort to reshape time and history, fostering interconnectedness and our shared responsibility towards the future.



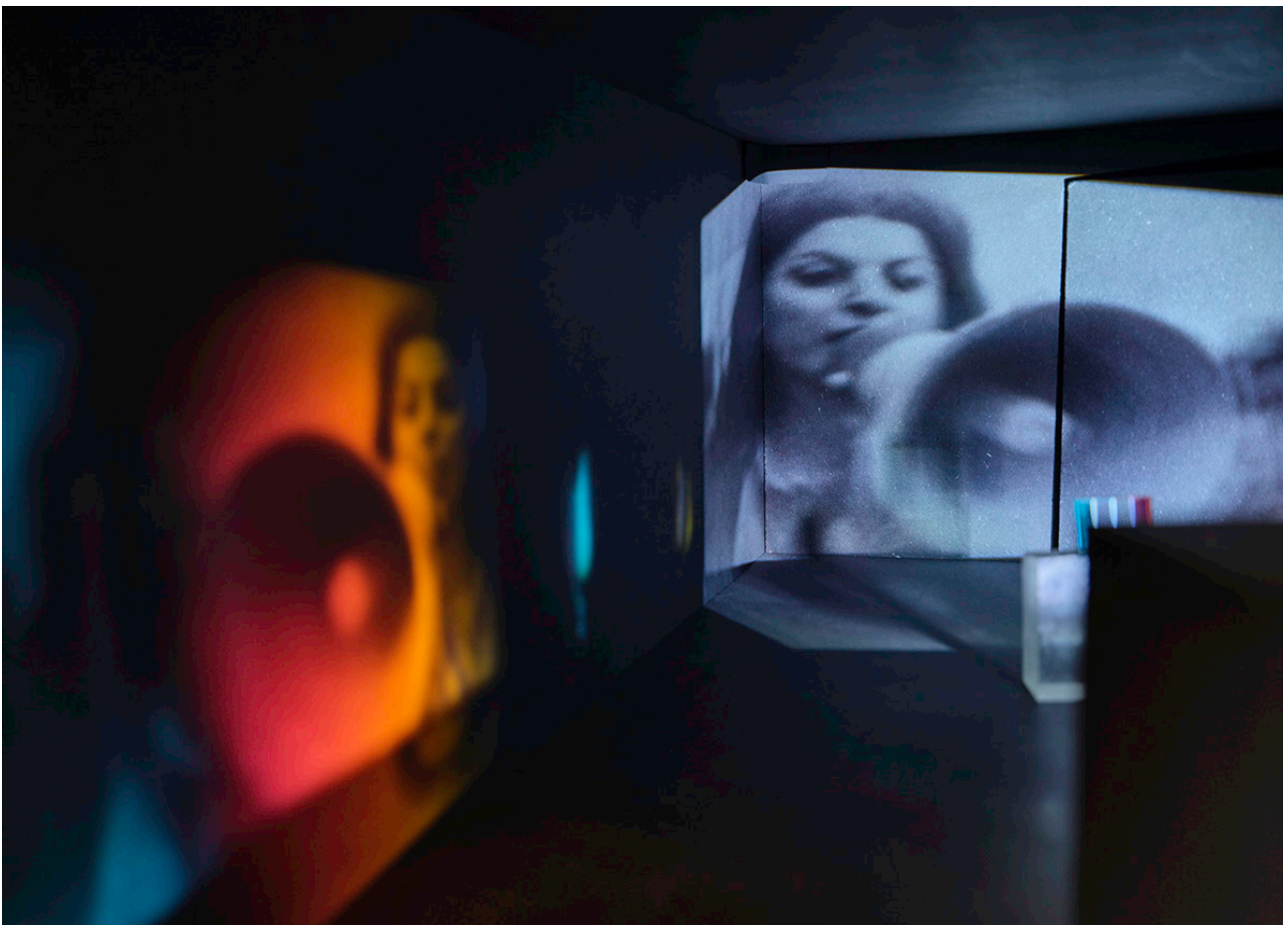
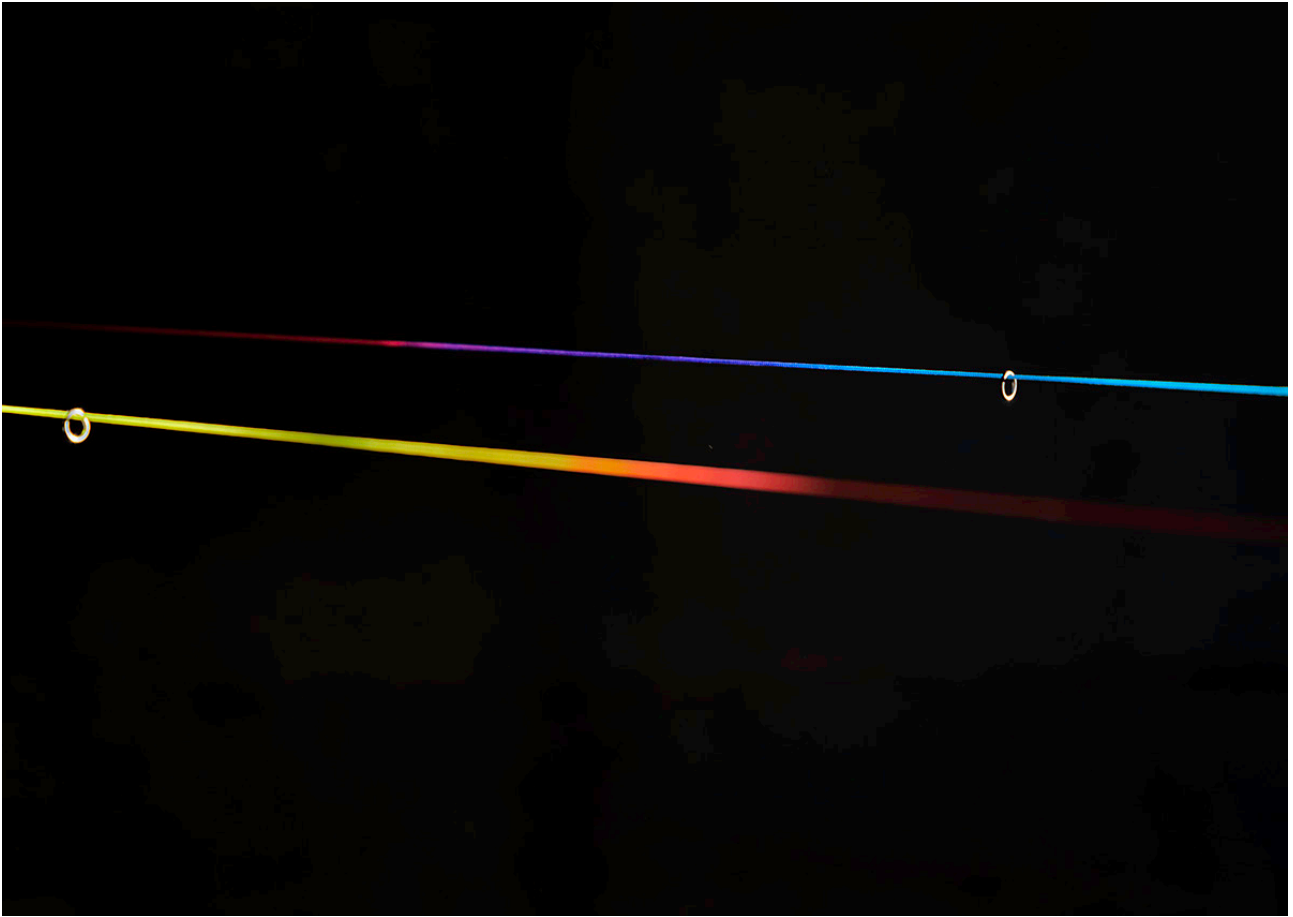
Radical experiment in correlation

multimedia installation, 2023,

Villa Galileo, Florence - IT



Radical experiment in correlation
multimedia installation, 2023,
details, Villa Galileo, Florence - IT



Radical experiment in correlation
multimedia installation, 2023,
details, Villa Galileo, Florence - IT

ToccaUnoToccaTutti

2021 - ongoing

ToccaUnoToccaTutti, named after a slogan coined by workers, is a collaborative initiative launched in 2021, involving artists, art professionals, and multidisciplinary theorists. This project operates in synergy with the Si Cobas trade union and the 8x5 Movement, in solidarity with textile workers striving for dignity in Prato's textile sector.

In recent years, *ToccaUnoToccaTutti* has been actively involved in various forms of solidarity, participating in protests organized by the 8x5 Movement and hosting targeted events.



Tutti Presenti

2023

Tutti presenti (*All present*) is a video created from the fusion of archive documents of the labour movements from the 50's to the 70's and the images of the "March for Liberty, Rights, Dignity", which took place in the streets of the city of Prato in 2022. The aim of the march was to demand "the freedom to live with dignity and to fight for a better life".

It was organised by the workers and trade unions of the 8x5 movement as part of the fight against Iron&Logistics. While the images of the demonstration are visible, the sound is taken exclusively from historical material: Gillo Pontecorvo's film "Giovanna", shot in Prato in 1955; the 1966 documentary "Workers' March in Pontedera" about the dismissals at Piaggio; Ugo Gregoretti's film "Apollon, an occupied factory", written and performed by the workers themselves; and, above all, Gian Maria Volontè's documentary "The Tent in the Square", which recounts the occupation and struggle of workers in five Italian factories in 1971. The title is derived from a phrase sung by the workers of Apollon during the struggle: a phrase that invites to participate in the struggles, where those present are not only the workers of today, but also all the past, present and future histories that are part of this struggle.



Tutti presenti

video, 15'25", 2023

screenshot and installation view at, Villa Galileo, Florence - IT

Photo credits for installation view: Andea Abati

8x5 - led

2023

8x5 LED is a LED matrix 'adapted' as a signboard for demonstrations within the 8x5 movement, supporting labor strikes for the dignity of workers in Prato's textile industry. It activates only when held, forming the slogans of the workers' movement: '8x5' and 'Tocca uno tocca tutti' ('Touch one touch all'). To be taken for demonstrations at night and during the day, not recommended only in rainy weather.

**8 x 5 led**

in collaboration with Luca Sguanci

LED matrix, custom electronic, wooden stand, 25 x 70 cm

Photo credits: Giulia Lenzi, Simone Ridi

Carrara White

2021

Titled 'Carrara White,' this video utilizes 3D animation to delve into the extractive operations prevalent in the Carrara white marble quarries of Italy. Renowned for supplying marble to illustrious artists like Michelangelo and his contemporaries, the Apuan Alps now face intensive extraction practices. With approximately four million tons of marble extracted annually in the Carrara region, over 80% is pulverized into powder to produce calcium carbonate for various industrial applications, placing the entire ecosystem at risk. The video juxtaposes scenes of mountain pulverization with imagery of marine organisms integral to marble formation, their shells vulnerable to dissolution due to ocean acidification. This video served as a supportive tool for the Athamanta environmental activist group based in Carrara.

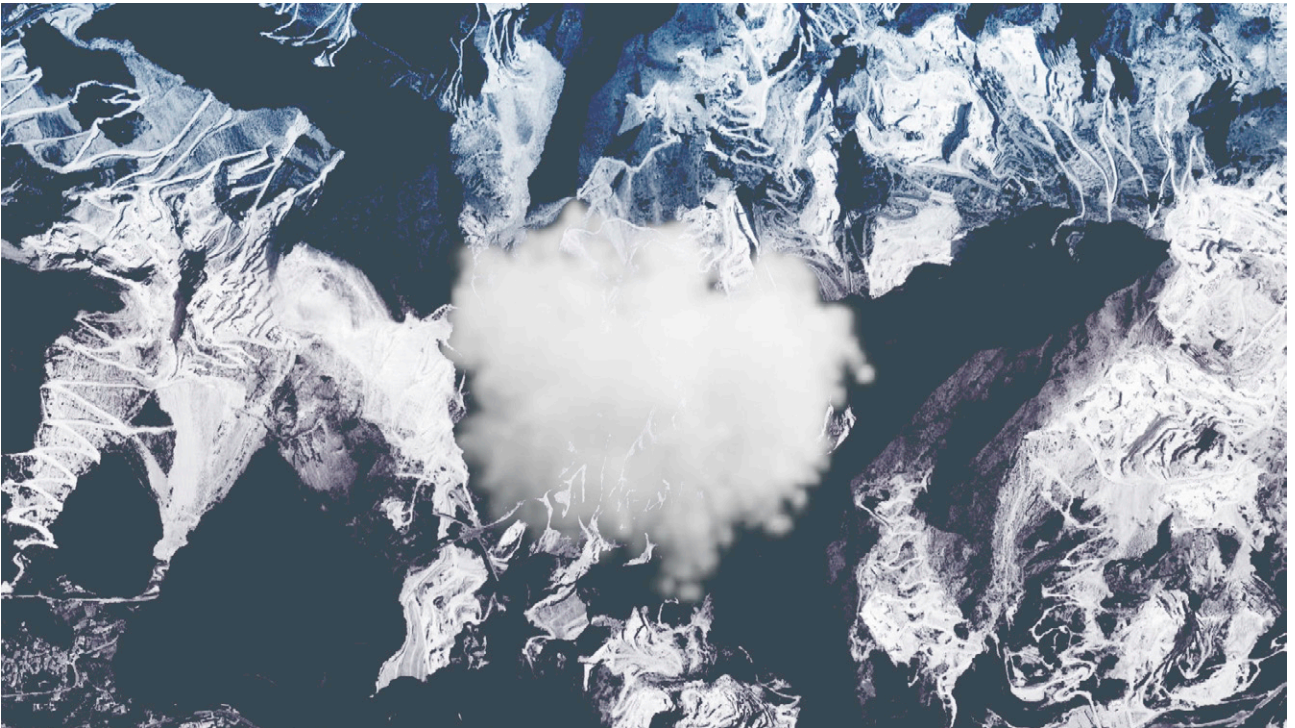


Carrara White

video from 3d animation, 3'09", 2021

installation view

[Video](#)



Carrara White

video from 3d animation, 3'09", 2021

[Video](#)

Unbreathable. The Ethiopian series

Since 2013, a photo album belonging to my great-uncle, who served as a soldier in the Second Italo-Ethiopian War (1935-1936), has served as an alchemical catalyst, inspiring a series of works (Arsine, Iprite, Phosgene, Take Care of Me, and I2AA). These pieces draw from the harrowing legacy of toxic and suffocating gases utilized by the Italian army during the colonial conflict, alongside other material and immaterial constructs, like radiowaves, that underpin systems of power.

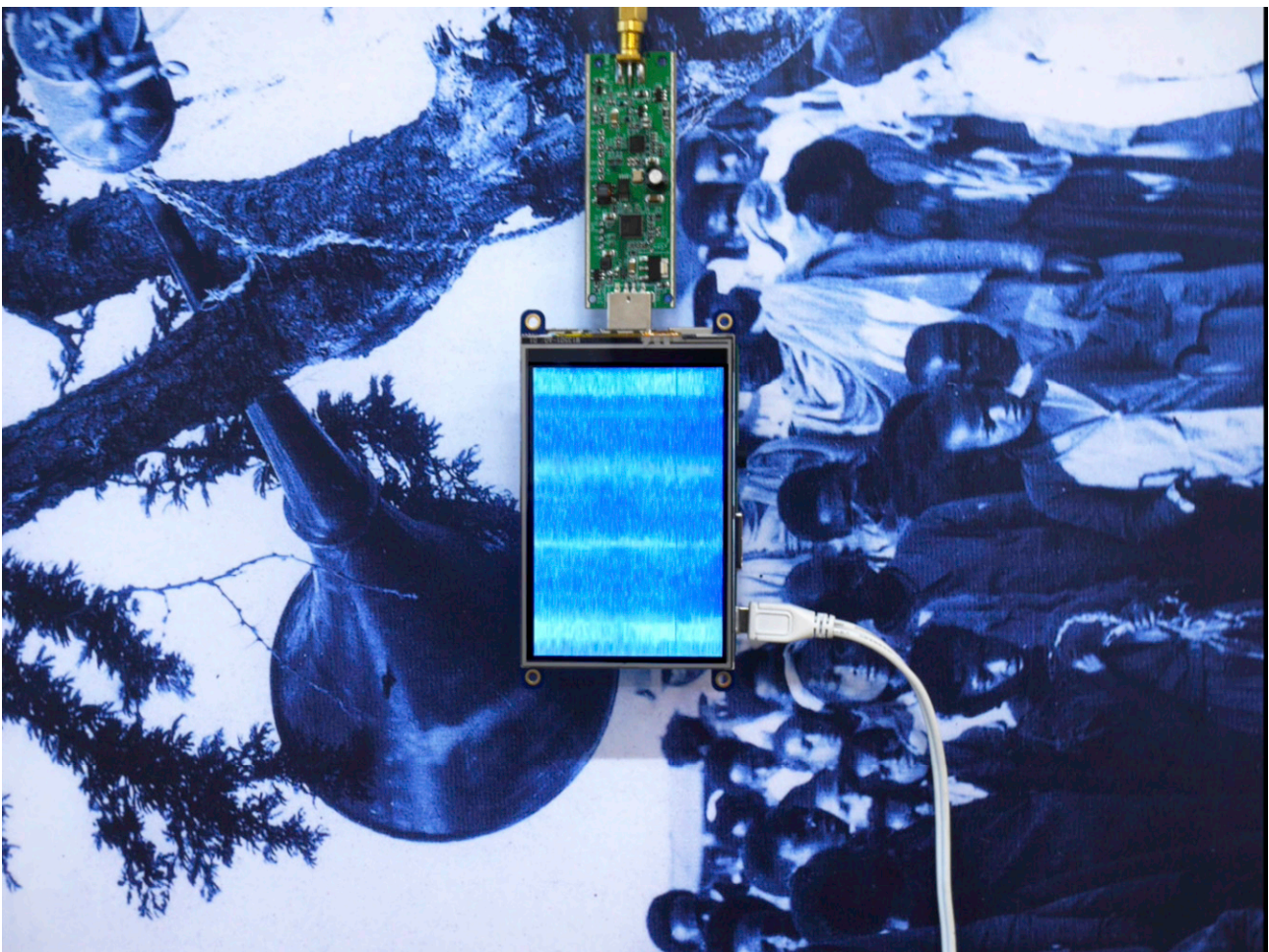
In 2021, the personal narrative of a close friend and performer, whose grandfather also participated in the same war, prompted us to embark on a collaborative exploration of this subject matter.

I2AA, or listening to EIAR loudspeakers, Addis Ababa, 1940

2020

This installation draws inspiration from the narrative surrounding Ethiopia's inaugural radio station, I2AA, established in 1936 and repurposed as a communication hub and propaganda tool by the fascist regime. Notably, a concentration camp was erected within the confines of the military command adjacent to the station, serving as a site of repression during the Italian-led massacre following the attempted assassination of Marshal Graziani in 1937.

Accompanying a photograph captioned "Listening to EIAR loudspeakers, Addis Ababa, 1940," depicting Ethiopians tuning in to broadcasts of the Italian regime's propaganda, is a Software Defined Radio (SDR) device configured to receive transmissions on the same frequency utilized by the I2AA radio (shortwave 9.65 MHz). In real-time, the device displays a spectrogram illustrating the spectrum of frequencies captured by the signal. Spectrograms, graphically depicting the frequency spectrum of a signal as it evolves over time, have long been utilized in the pursuit of spectral phenomena. From photography to telegraphy, telephony, and television signals, such spectral traces persist. This work extends this tradition of spectral inquiry to colonial history, revealing narratives embedded within the ether.

**I2AA, or listening to EIAR loudspeakers**

print on paper, wood panel, raspberry pi, sdr dongle, display 3.5",
balun, antenna 41.7×28.6×5 cm – 2020



I2AA, or listening to EIAR loudspeakers, installation view, Mom art space, Hamburg, 2020
Photo credits: Rachel Morellet

Rilaben/Paz

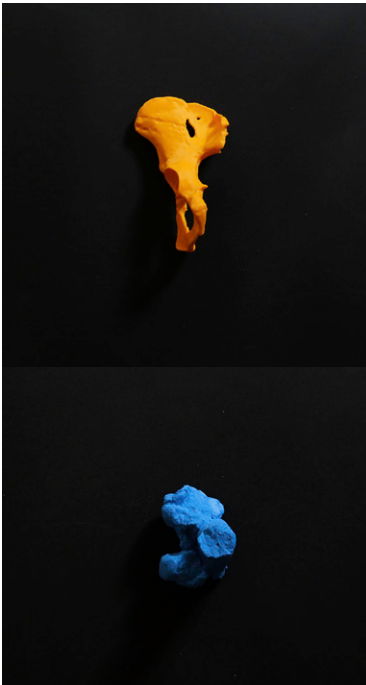
Dear Lucy

2021 - ongoing

Dear Lucy is a performative project exploring the multiple lines of connection between personal and collective history, between our bodily presence and our historical past.

The work draws inspiration from letters penned by Rilaben's grandfather during his service as a doctor in East Africa under Mussolini's fascist regime. These letters, primarily addressed to his sister Lucia, are juxtaposed with the story of Lucy, a famous fossilized ancestor discovered in Ethiopia. In the performance, Rilaben's voice reads the letters while his body engages in the absurd and impossible task of taking on the form of each of Lucy/ancestor's bones, projected in time and random sequence. The project aims to negotiate connections with the colonial past through a performative meditation on memory and identity.

The performance is indeed intended as a form of mourning elaboration/meditation in which the doubling of the name 'Lucia/Lucy' unlocks a multitude of relationships, simultaneously activating interferences and resonances between different levels of time and meaning.



From grandchildren to grandparents, from Africa to Europe, from humans to more-than-human beings: Dear Lucy is a performative project about the manifold connecting threads between personal and collective history, and between the body's presence in the here and now, its origins in the past, and its orientation toward the future.

Philosopher Alexis Shotwell suggests that "thinking in terms of interdependence helps us work from the understanding that our bodies and selves are complex coproductions of our self, other people, the social relations that undergrid our world, and the material realities in which we live." Not only are family stories interwoven in Dear Lucy. In an expansive, performative montage, Rilaben/Paz also capture the material elements of the different narratives, converging categories such as organic and inorganic, colonial medicine and paleoanthropology, ancestors and future.

curators Franz Thalmair & Gudrun Ratzinger

Dear Lucy -

performative installation

sound

JDZazie e Cristina Abati

Images and 3d models of

Lucy's bones

elucy.org

Translation

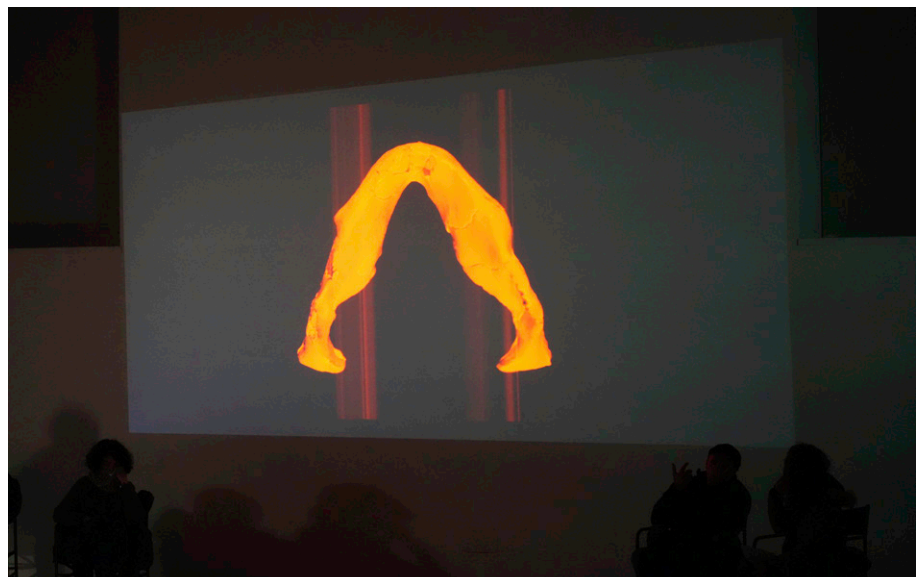
Pina Ricciardi

Photo credits:

Johannes Puch

Luca Sguanci

Mathias Krause

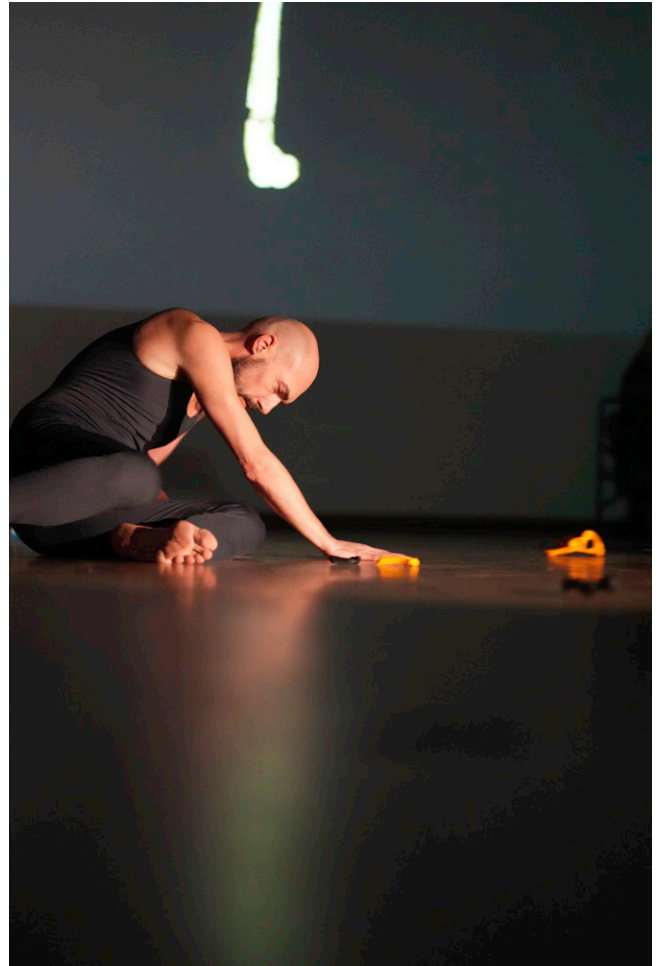




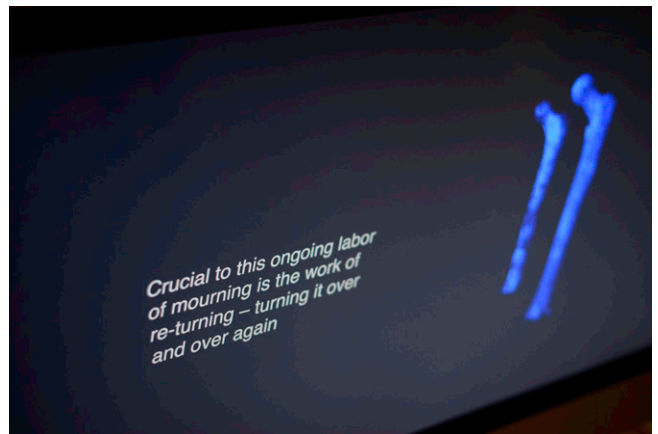
Dear Lucy - Rilaben / Paz

17.01/2023 @Kunstraum Lakeside, Klagenfurt, AT

20.12/2023 @PARC Performing Arts Research Centre, Florence, IT



Video
[Kunstraum Lakeside](#)
[Affect and colonialism](#)



Dear Lucy - Rilaben / Paz
17.01/2023 @Kunstraum Lakeside, Klagenfurt, AT
20.12/2023 @PARC Performing Arts Research Centre, Florence, IT
25.01/2024 @Flutgraben e.V., Berlin, DE

Since 2012 I've been working with electronic materials using open source hardware and software. Since then, I've created various homemade DIY electronic devices, often marked by their ephemeral and simple nature. For me, this practice serves as a personal, poetic and political means of engaging with technology.

YPJ- Jineology

2018- 2019

YPJ-Jineology is a luminescent installation inspired by the women's revolution in Rojava, northern Syria. This revolution endeavors to establish a direct democracy founded on principles of gender equality, environmentalism, and pluralism. Within this framework, Jineology, a "science of women and free life," has emerged as a radical mode of thought from a non-Western, women-centric perspective. The installation comprises three iron bars, each adorned with an LED matrix, custom electronic circuitry, and software. The colors emanating from the LED matrices are derived from distinct floral patterns found on scarves typically worn by YPJ (Women's Protection Units) fighters and revolutionaries. Placed within the Meteorite room at the Museum of Natural History of the University of Valencia, the iron bars serve to evoke the transformative potential of direct democracy, ecological consciousness, and feminism.

The YPJ installation formed part of the "Public art / public university" exhibition, which explores the intersection of contemporary art with science, fostering interdisciplinary dialogue within the technological campus of the University of Valencia.

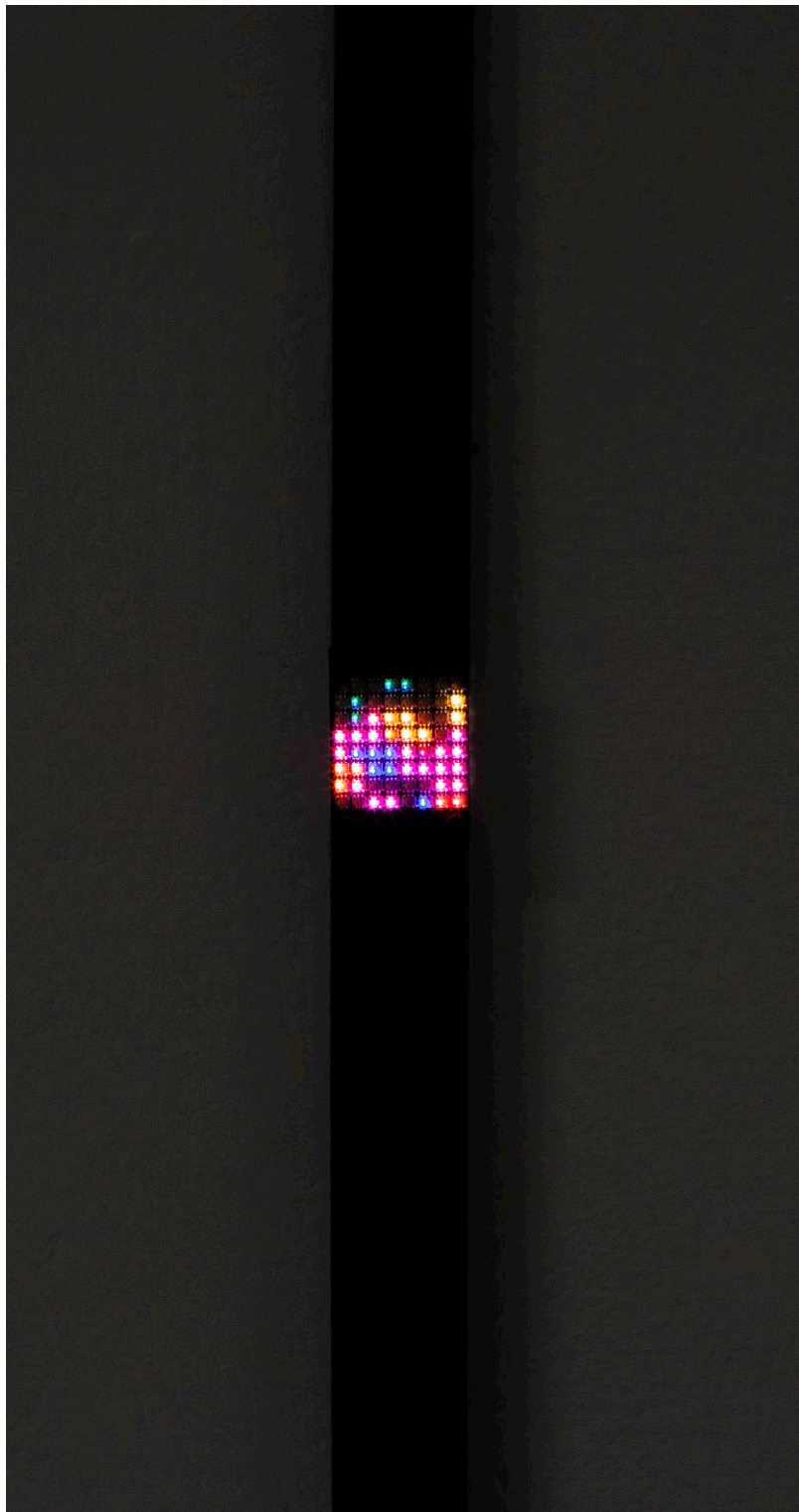
In 2023, YPJ found a new home in Galileo Galilei's studio in Florence, where it was complemented by an audio installation blending celestial motifs with utopian visions.



YPJ-Jineology / The time of the stars

installation view at Villa Galileo, 2023

Photo credits: Luca Sguanci, Andrea Abati, Miguel Lorenzo



YPJ-Jineology

iron bar, led matrix, electronic
circuit

2000 x 25 x 4 mm

2018-2019



YPJ-Jineology, Installation view, Museo de Historia Natural, Meteorite Room, exhibition view, Valencia, 2019.



Kurdish Female Fighters/ YPJ is at Rojava.

December 15 at 4:13 PM · Qamishli, Syria · 🌐

Interesting approach!

It's very important to evaluate what you see and read in life and most importantly is to reasonize what you understand from what you see and read, which makes it a genuine selfless perspective.

.... [See More](#)

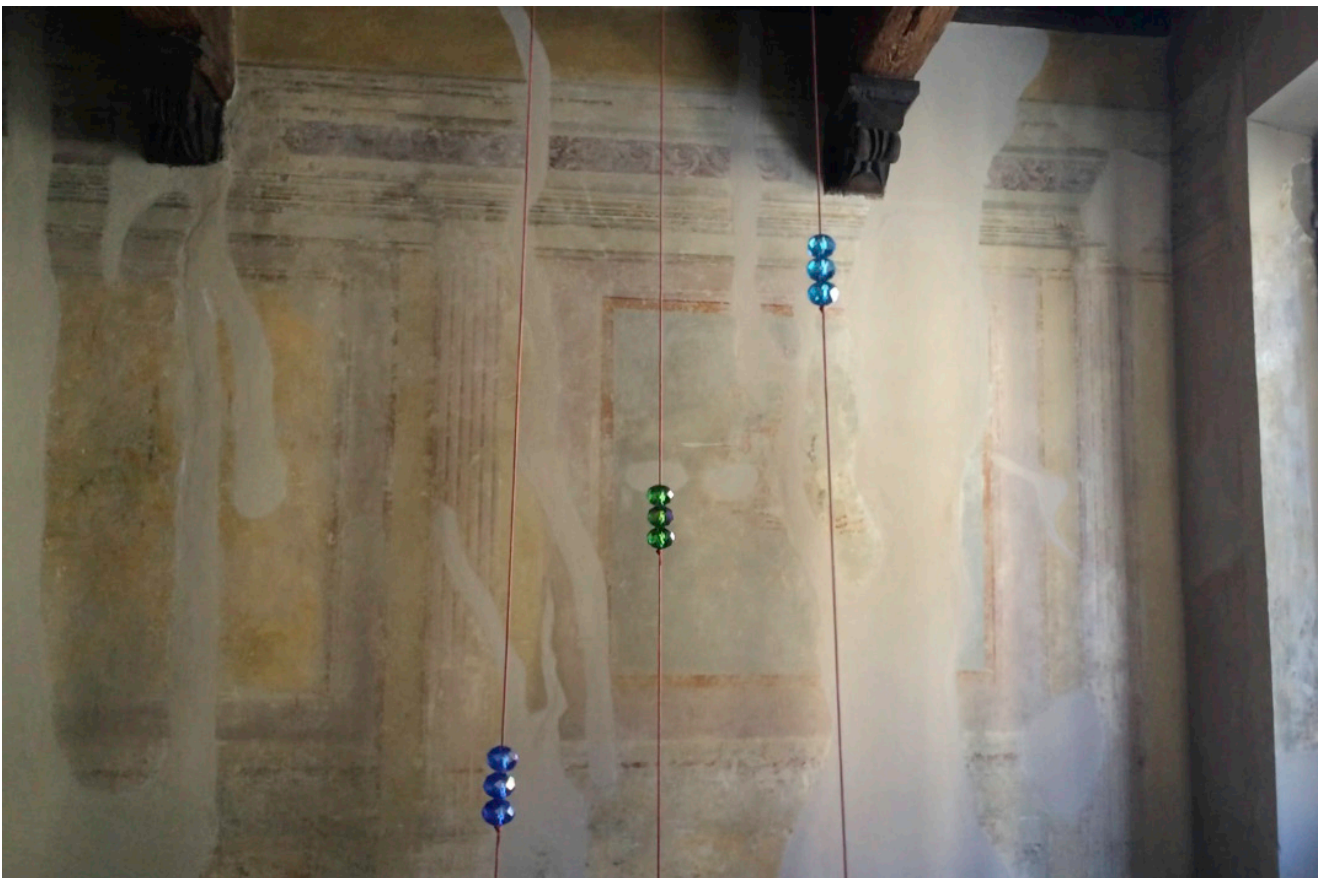
YPJ-Jineology detail of the installation and an inspirational floral scarf (courtesy YPJ). YPJ Facebook page describing the YPJ-Jineology work.

Chincaglierie (Trinket)

2015-2016

'Weave along', a participatory action by the artists Tatiana Villani, Manuela Mancioppi and Emanuela Baldi, is the point of departure of Chincaglierie (Trinket). During several weeks the artists have woven rags and scraps, all materials coming from local textile industries, and people were invited to take part to the process. The three artists asked me to keep trace of the whole process of their work, so I recorded all the sound of the making of the work. Then I created a system that transforms the audio recordings of the participatory experience into vibrations, thanks to an ad hoc electronic circuit. Once converted into vibrations, the sound led several vibration motors and driving several mechanical devices to move and make noise.

Since then, Chincaglierie has been exhibited many times in different situations, making the most diverse sounds vibrate, from the sounds of galaxies to the chorus of striking workers.



Chincaglierie

golden and silver rings, guitar strings, brackets, aluminum boards, iron, nylon and cotton threads, beads, fishing loads, aluminum tube, 2015-2016.

Installation view at Casa Masaccio Arte Contemporanea, San Giovanni Valdarno, Florence, 2016



Chincaglierie

Installation view at ToccaUnoToccaTutti - Collective exhibition at the
Iron&Logistics strike, Prato, 2023

Installation view Artforms, Prato, 2015