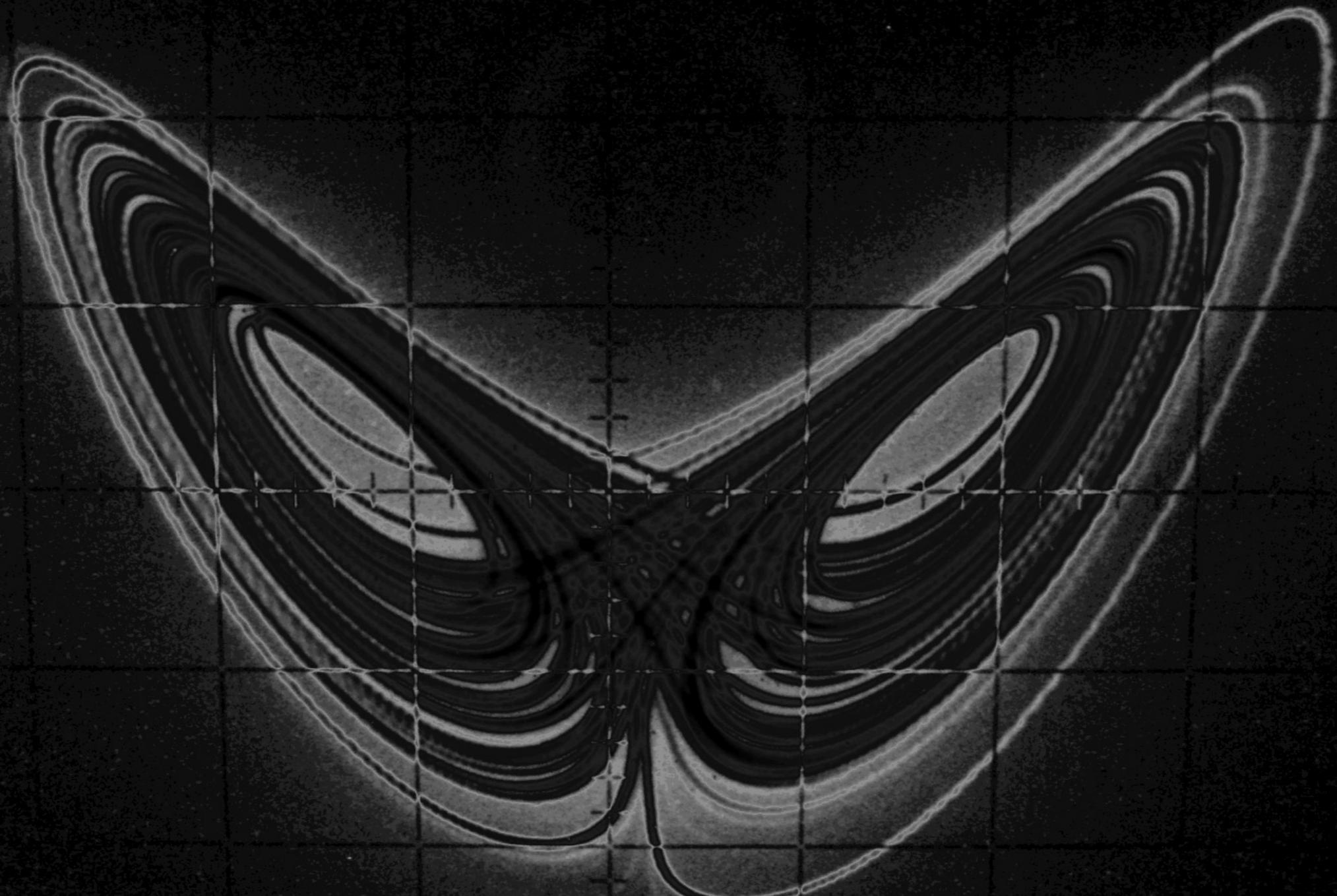


PORTFOLIO

Luca Spanedda

2022

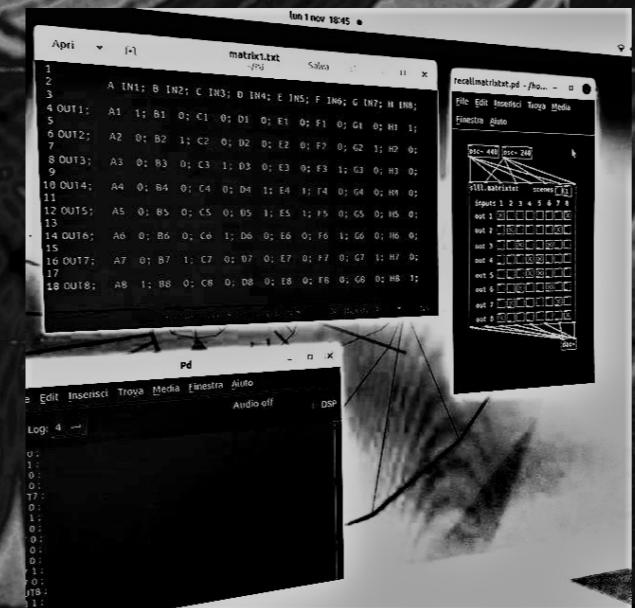
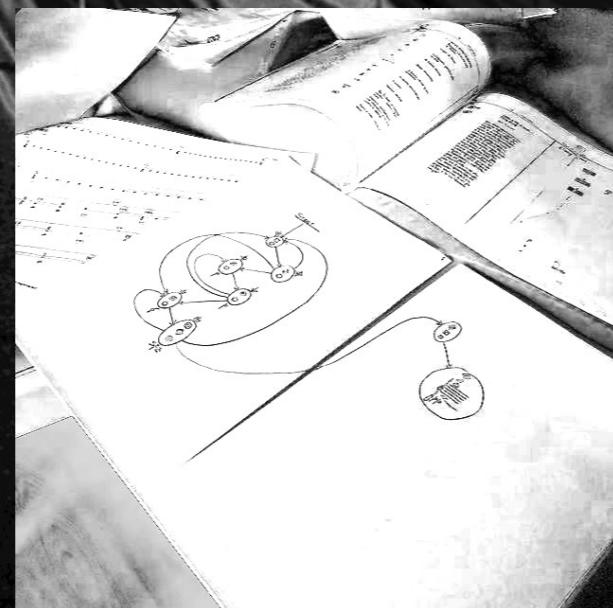
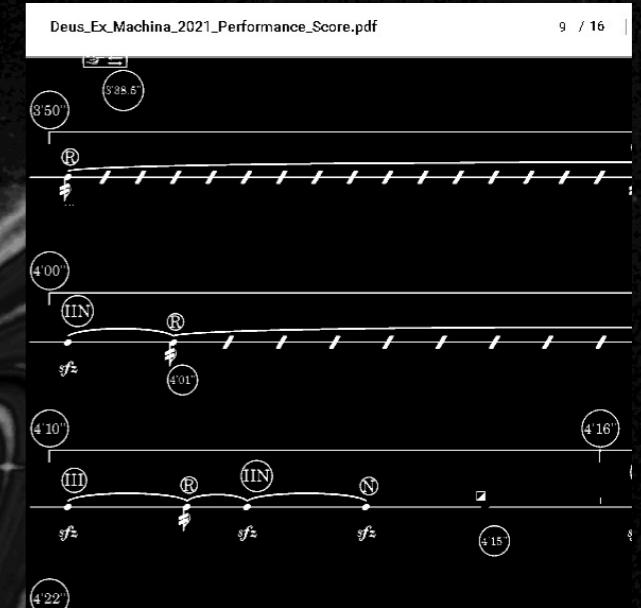
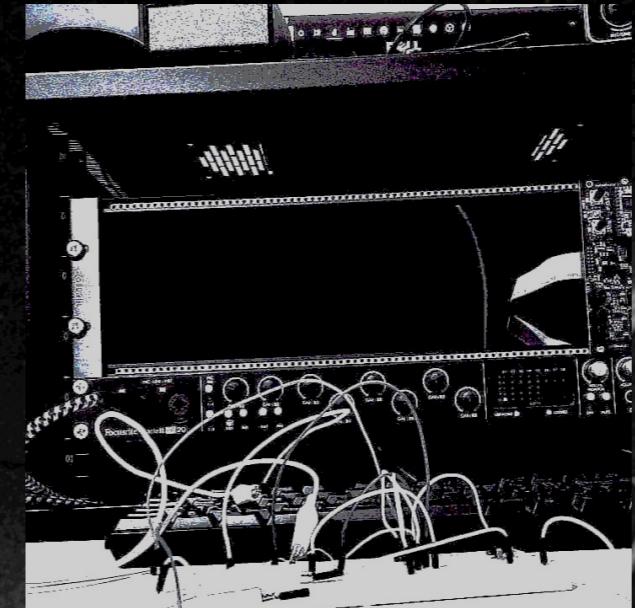


Introduction

Luca Spanedda is a Composer and Musician.

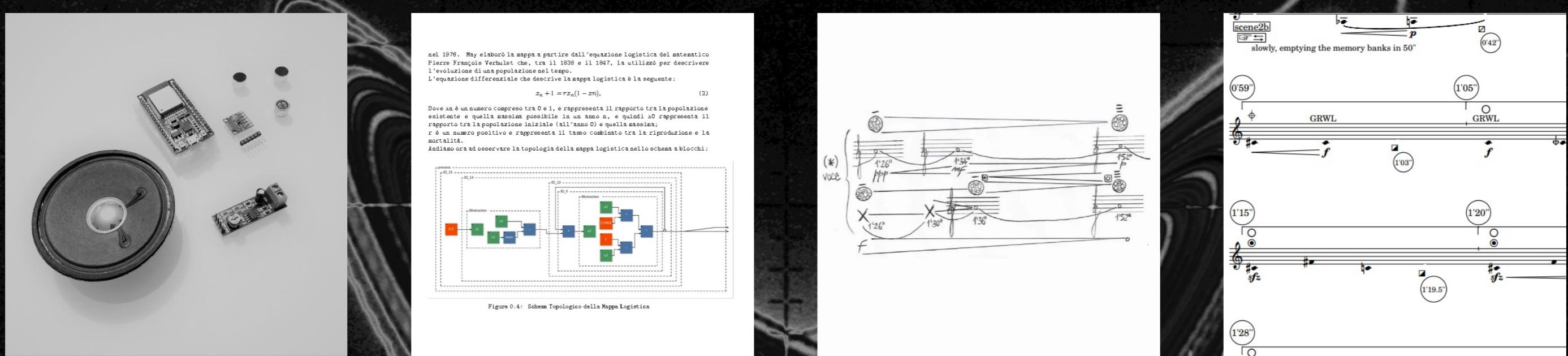
He was born in Rome on 15th February 1995.

His attention to music surfs from cybernetics to technologies,
and from sound and human spaces to social criticism.



Academic Programs

He graduated in economics, finance and marketing in 2015, consequently he began his academic program in electronic music at the Santa Cecilia Conservatory of Rome, as a student of electroacoustic composition with the masters Michelangelo Lupone and Nicola Bernardini, where he graduated in 2020. He is now enrolled in the last two-year course (Biennio) of Electronic Music at the Conservatory Santa Cecilia in Rome.

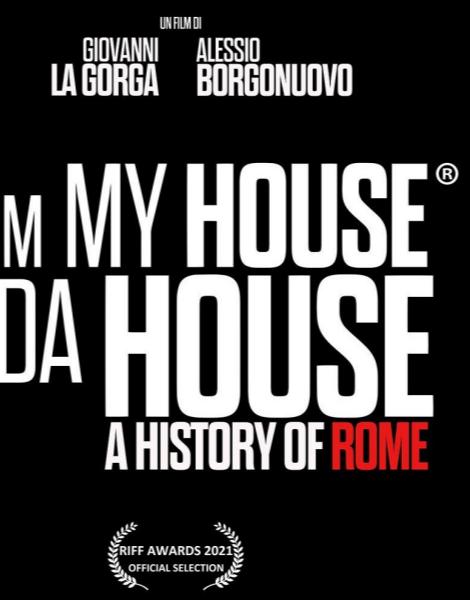
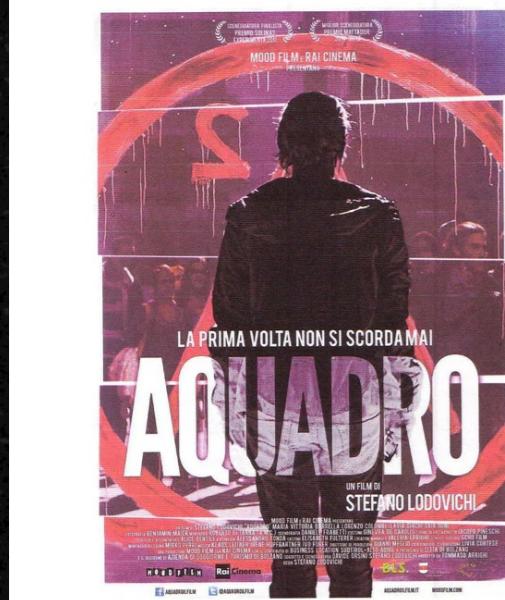


Participation to various seminars held by:

Giorgio Netti, Giorgio Nottoli, Simone Pappalardo, at Conservatorio Santa Cecilia (RM). Fondazione Musica per Roma Dal segno al suono: il lavoro del musicista". On the occasion of the PMCE concert (Parco della Musica Contemporanea Ensemble), at Auditorium Parco della Musica (RM). And online Classes held by: Grame - FAUST, Powland - Powclass with Moon Armada on Build Soundart Devices.

Music for Films

He wrote some pieces for films such as the RAI film "Aquadro", a Stefano Lodovichi's film in 2013 and From My House In Da House a Giovanni La Gorga's film in 2021.

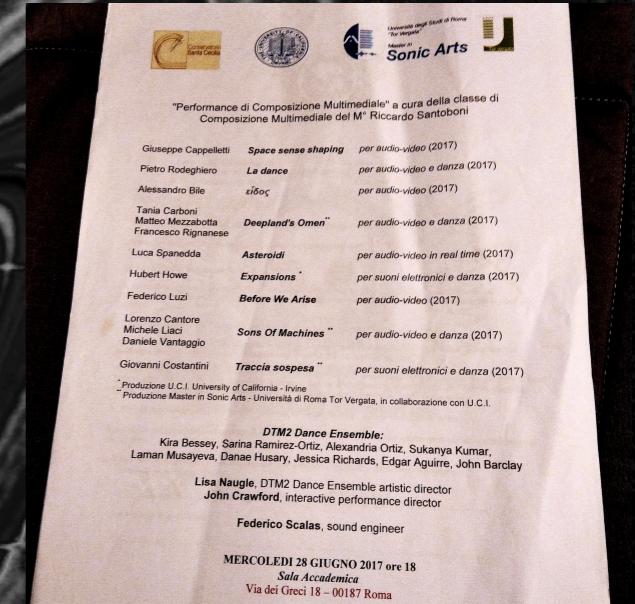
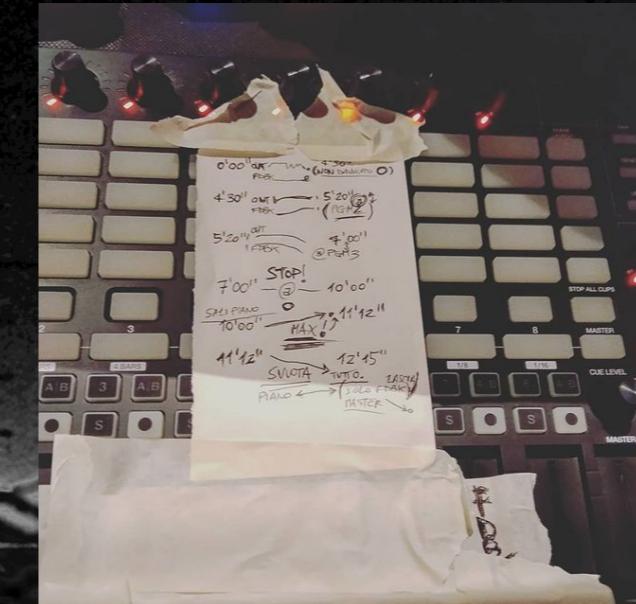


Live Performances

In 2017 he presented "Asteroidi" an audio-visual work, with the multimedia composition class of M. Riccardo Santoboni at the Master in Sonic Arts (University of Rome Tor Vergata) and at the Academic Hall of the Conservatory Santa Cecilia.

In 2021, he performed in concert the electronic part of the Post-prae-ludium n. 1 for Donau by Luigi Nono, at the Goethe-Institut Italien in Rome, ArteScienza festival.

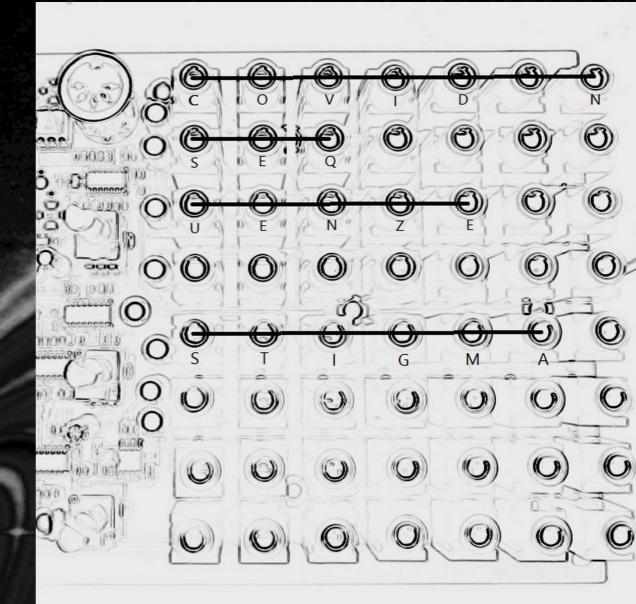
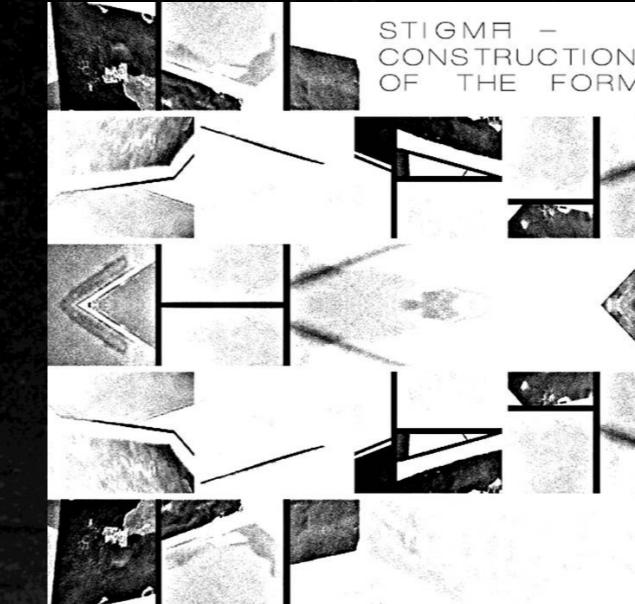
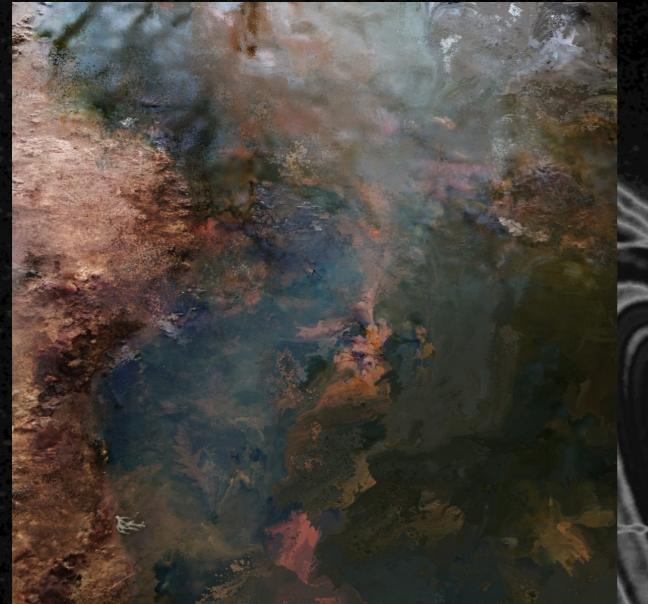
And also in 2021 he performs live the LP released by Mossa Records (independent Roman electronic music label), at the Klang club in Rome.



Productions

He started making music as a teenager, as a DJ to then turning as a producer, in some drum and bass collectives in Rome (IT), publishing also some LPs.

He still publish different kinds of electronic works under the Moniker: Stigma



Skills

Computer Music and Computer Science (DSP) with:

Python, C, Arduino, LaTex, Lilypond, Pure Data, Max Msp, Faust, CSound, ecc.

Computer Science and skills with: C, LaTex, Lilypond. Shell: Bash, CMD, ecc.

Musical Programming Microprocessors/Microcontrollers: Teensy, Arduino, Raspberry, ecc.

Mathematics of sounds, Acoustics and Psychoacoustics; analysis of environments and musical instruments (Music information retrieval - MIR)

Basic experience in electrical engineering: Audio circuits, Analog synthesizers, Audio processing
Sound engineer, Mixing, Mastering. DAWs: Reaper, Ableton Live
Multimedia composition: Jitter(Max) and Processing.

History of Music and History of Electroacoustic Music; Musical analysis

Theory, rhythm and musical perception (solfeggio, ear training)

Compositional techniques: counterpoint, choral, contemporary

Musical Instrumental and Electroacoustic Composition

Basic experience with piano and keyboards; advanced with synthesizers

```

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Script Python: datagraphplot.py  

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# PYTHON SCRIPT FOR PLOT A DATA GRAPH  

# plot a serie of data numbers written in a list like:  

# 1  

# 2  

# 3  

# ...  

import matplotlib.pyplot as plt  

import numpy as np  

# External inputs from terminal  

filename = input("Enter your data file name (add .txt extension): ")  

plotname = input("Enter the name for your plot (add .png/.pdf/... extension): ")  

x = np.loadtxt(filename)  

plt.plot(x, label='signal')  

plt.xlabel('x')  

plt.ylabel('y')  

plt.title('plot of the signal')  

plt.legend()  

plt.savefig(plotname)  

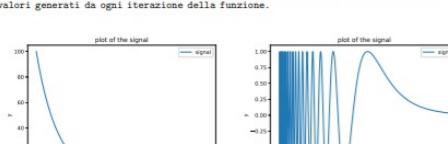
  

A seguito i plot ottenuti dai codici, ed una tabella contenente invece i primi  

valori nel file di testo generato da recursionline.py dove è possibile leggere i  

valori generati da ogni iterazione della funzione.  

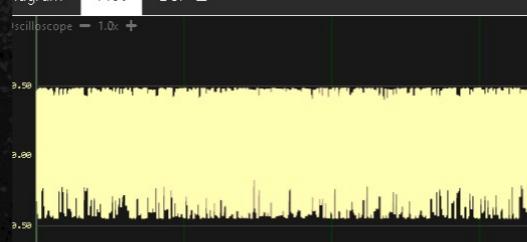


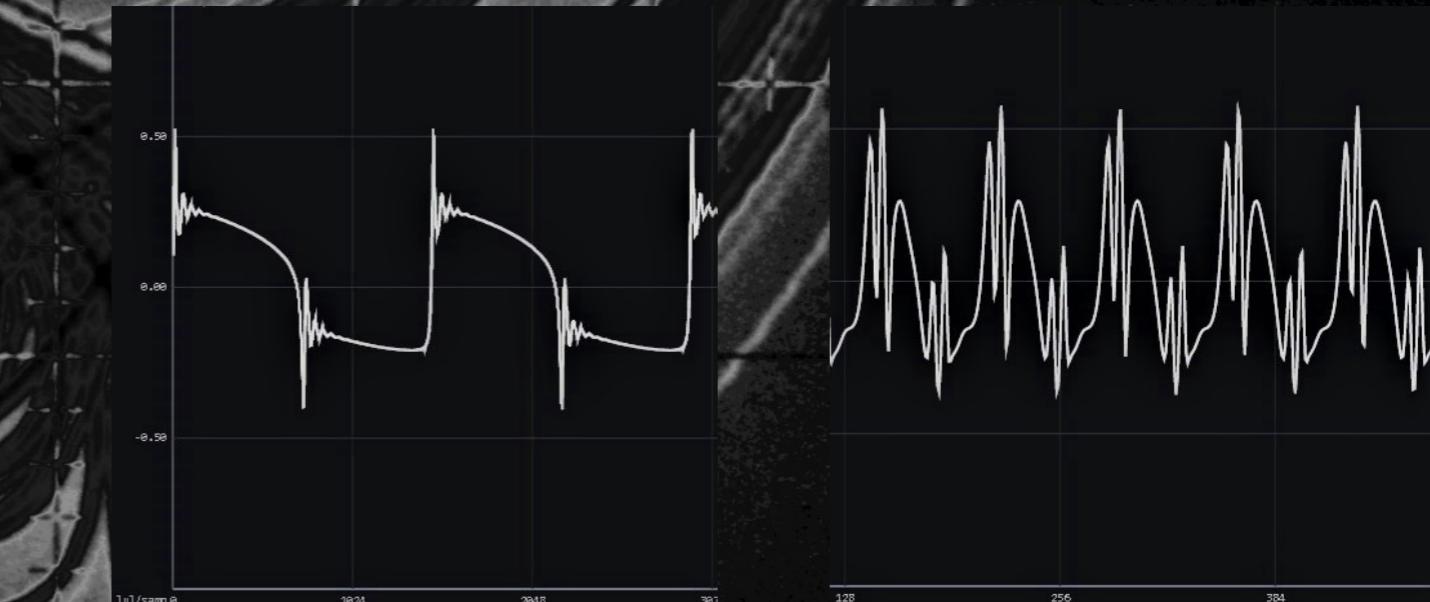
```

```
1 // import Standard Faust library
2 // https://github.com/grame-cncm/faustlibraries/
3 import("stdfaust.lib");
4 // Logistic Map - simple non-linear dynamical equation
5 // starting population (x) = number from 0. to 1.
6 // resources of the population (r) = number from 0. to 4.
7 logisticmap(x,r) = mapfunc
8 with{
9   Dirac(x) = x-(x:mem);
10  lmap(x) = x***(1-x);
11  mapfunc = x : Dirac : (+ : lmap)~_;
12 };
13 process = logisticmap(0.5,3.9468) -0.5 <: __;
```

Diagram Plot DSP  x

oscilloscope - 1.0x +





Researches and other links

My personal links:

- >Academia< <https://conservatoriosantacecilia.academia.edu/LucaSpanedda>
- >Github< <https://github.com/LucaSpanedda/>
- >Soundcloud< <https://soundcloud.com/luca-spanedda-1995>
- >Youtube< https://www.youtube.com/channel/UCRCKVPYRcg084G8W_uJZuaw
- >Instagram< https://www.instagram.com/luca_spanedda/

Here you can find the links of the project STIGMA:

- >Bandcamp< <https://stigma-audio.bandcamp.com/>
- >Facebook< <https://www.facebook.com/stigmaudio/>
- >Soundcloud< <https://soundcloud.com/official-stigma-audio>
- >Youtube< <https://www.youtube.com/channel/UCS3DHDatayEDVnrHCz5yvaig/featured>
- >Instagram< <https://www.instagram.com/stigmaudio>