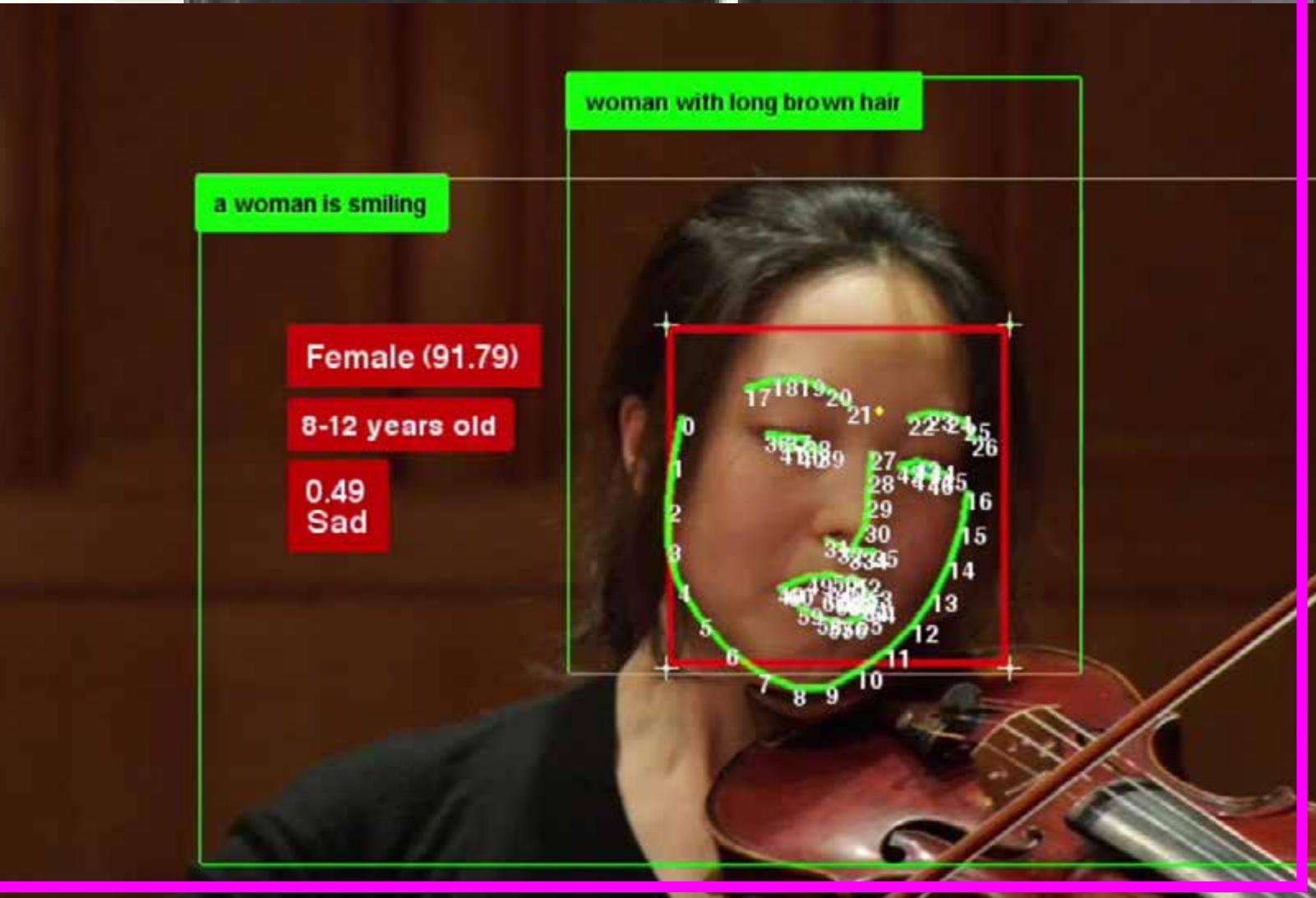
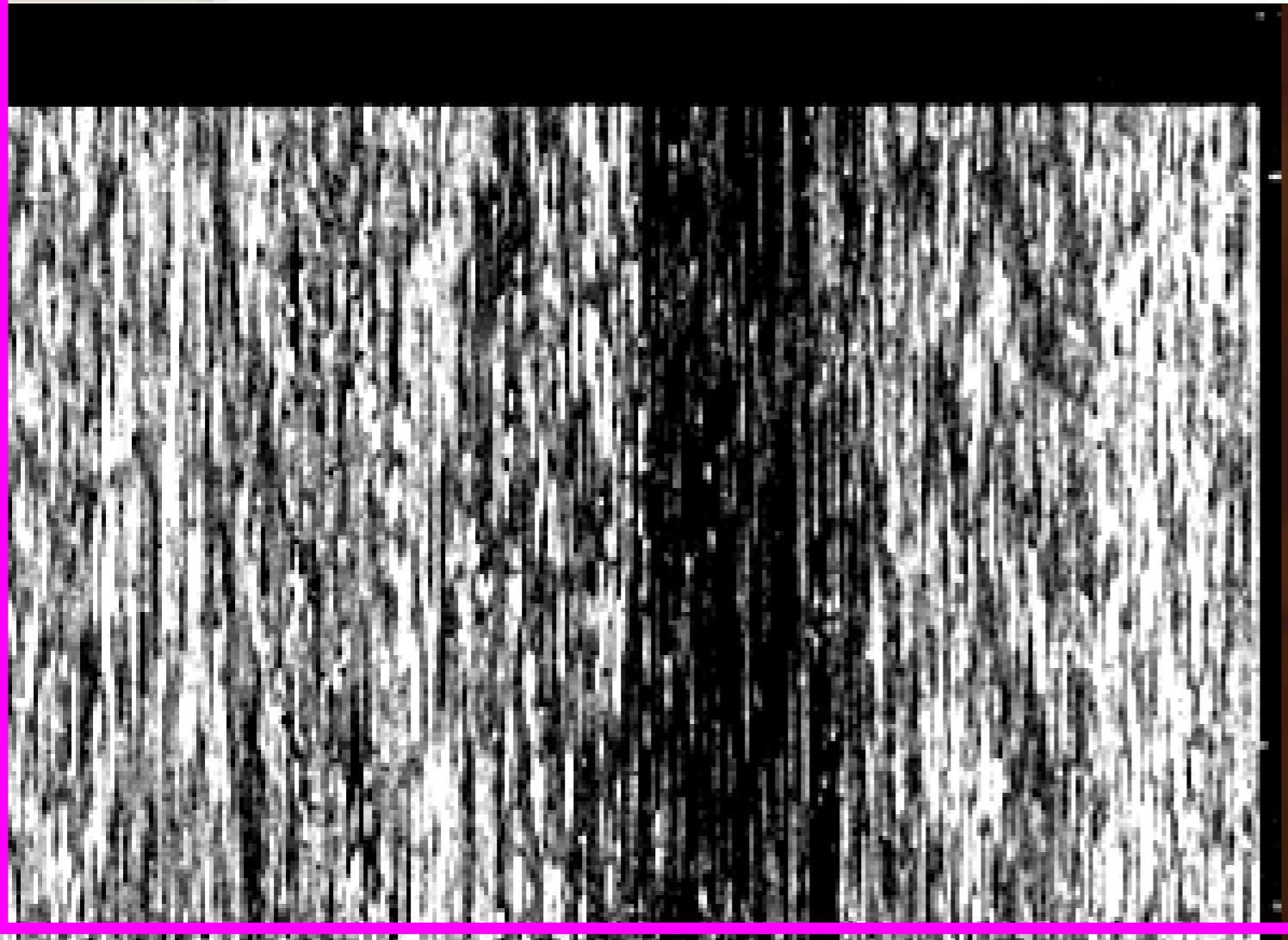
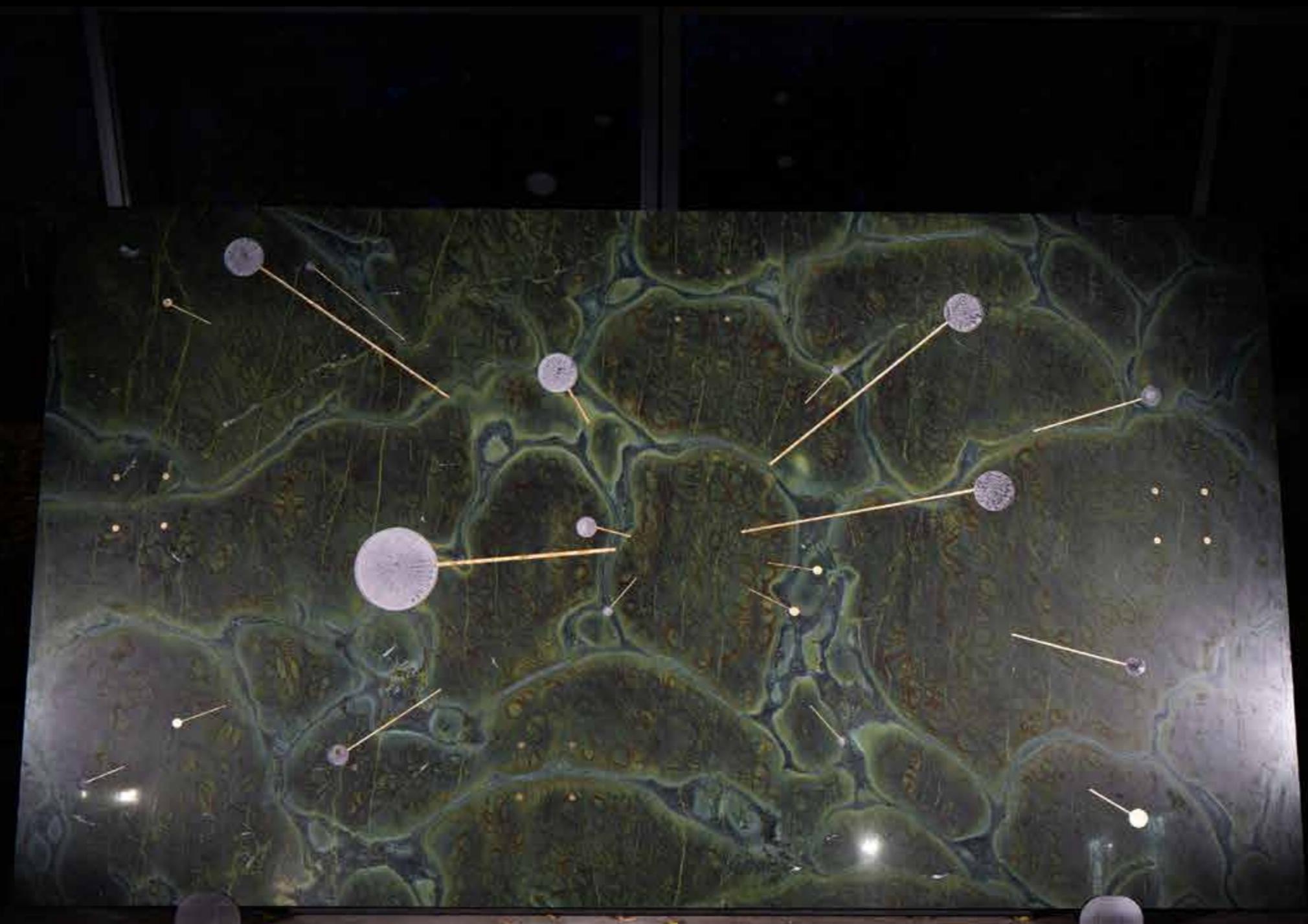


HackLab IST 2026







DMP Designer v0.1.0

File Window

Draw Settings

Clear color:	183 183 183
Draw color temp:	0 0 0
Draw color 1:	17 17 17
Draw color 2:	0 0 0
Draw color 3:	0 0 0
Draw color 4:	102 153 77
Base width (mm):	1.400
Grid color:	0.059
Size (mm):	420 594
Grid:	15 21
Border color:	194 194 194
Border width (mm):	57.000
Depth color:	0.000
Shadow color:	0.000

Viewport

Position (px)	center
450488.062	128218.383
Rotation	Zoom

0.000 25%

Generator

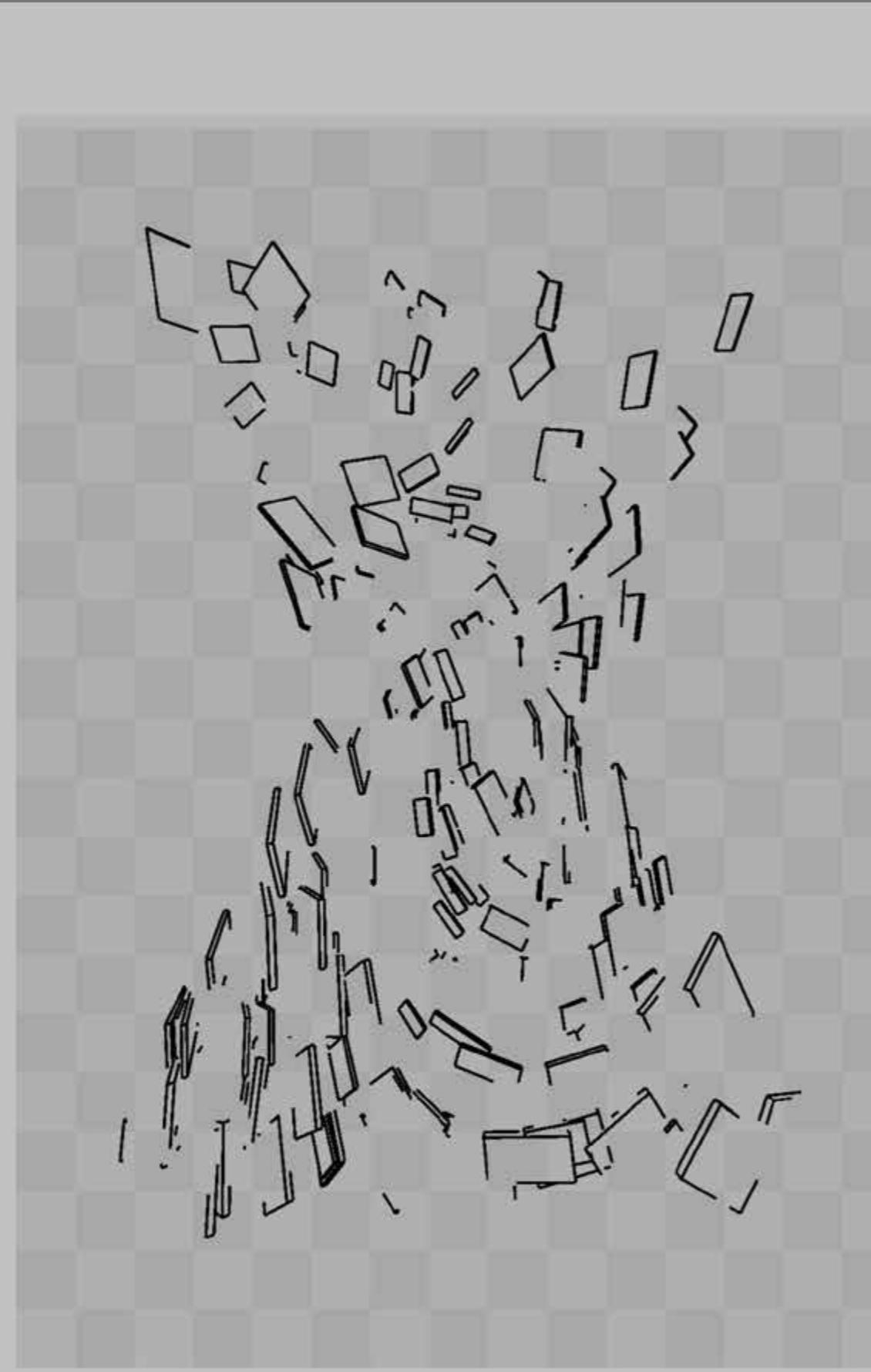
Script:	refresh
July-25	
landshape.cs	
348220210	<input checked="" type="checkbox"/> Use Seed

compile and generate

File export
/home/robber/dev/drawing_exports/
textproof5.dri
choose file
export layer 1 to file
export layer 2 to file
export layer 3 to file
export layer 4 to file

Stats
Mouse position: <492, 2109>
Window width : 2560 px
Window height : 2787 px
Application ms/frame: 15.11
Application FPS : 66.2
Application delta : 0.02 ms
Memory: 461 mb
CPU Cores: 6 9%

Debug Console
Total time: 0h 4m 19s 188ms
Compiling script
Executing script
Generating with seed 543455399
Script execution canceled.
Total time: 0h 0m 1s 73ms
Compiling script
Executing script
Script execution canceled.
Total time: 0h 0m 7s 250ms
Compiling script
Executing script
Script execution canceled.
Total time: 0h 0m 0s 765ms
Compiling script
Executing script
Generating with seed 348220210
Script execution canceled.
Total time: 0h 0m 2s 42ms







The HackLab IST is about exploring, experimenting, and re-materialising technology for artistic practices. Hacking is about crossing borders, transcending pre-defined fields and areas.

Open-ended structure:
Work on a new project,
Work on an existing project,
Collaborate on a new project,
Experiment as a series,
Learn new software/hardware,
Zero definitions & infinite ways.

Course Structure

SIGN-UPS

Weekly sign-ups via
googlesheets [weekly release]

Open-door hackerspace

Workshop access

11 WEEK LAB

Wednesday
10:00h - 16:00hr

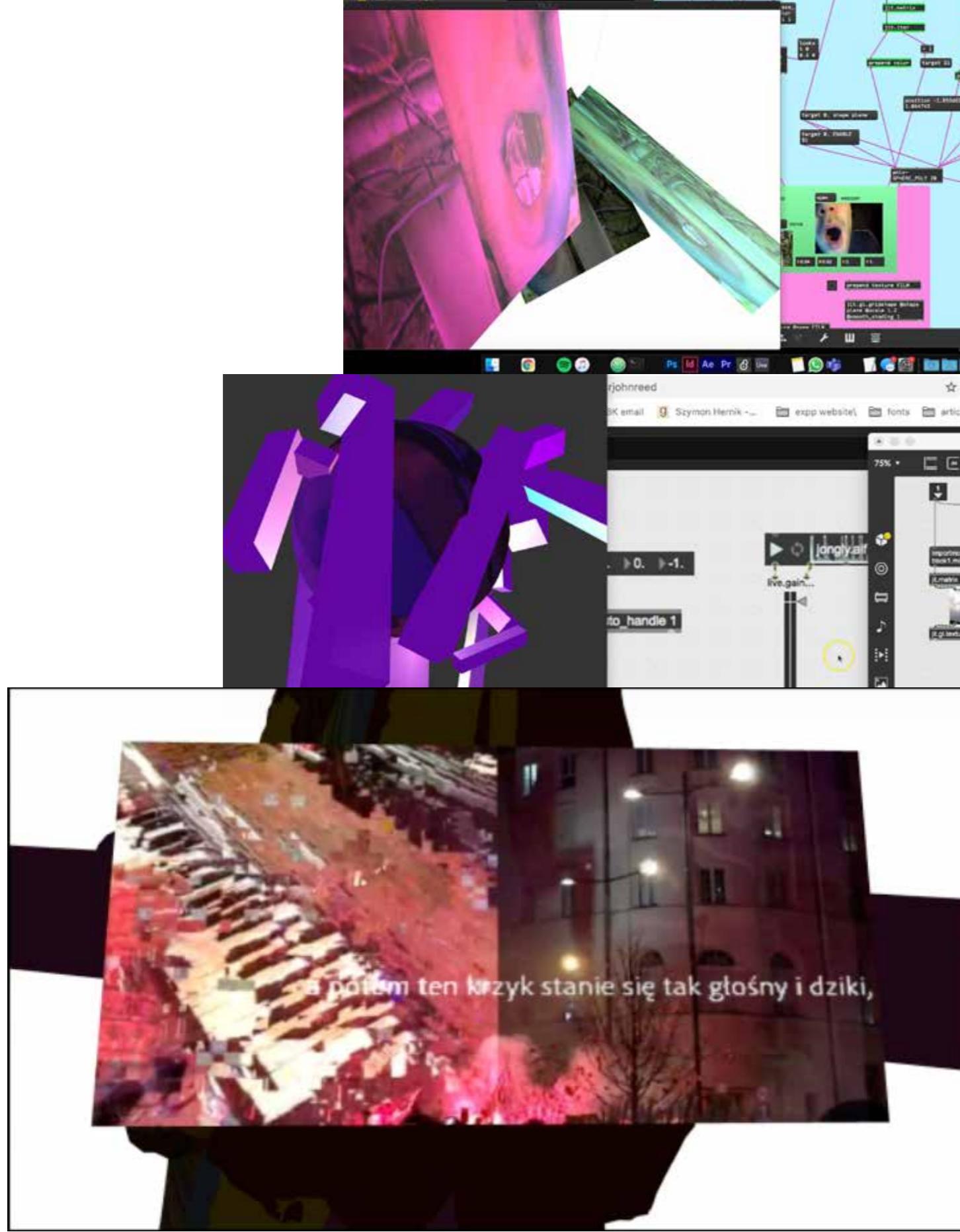
Lesson hours: 66
Self study hours: 80 approx.

Course led by
Rob Bothof
& Louis Braddock Clarke

Supported by Jaap Meijers

IST BLOCK 1	CLASS 1 WEDNESDAY 04/02/2026 KICK OFF	CLASS 2 WEDNESDAY 11/02/2026 Workshop	Spring Break	CLASS 3 WEDNESDAY 25/02/2026 Individual Projects	CLASS 4 WEDNESDAY 04/03/2026 Workshop	CLASS 5 WEDNESDAY 11/03/2026 Workshop	CLASS 6 WEDNESDAY 18/03/2026 Workshop
IST BLOCK 2	CLASS 7 WEDNESDAY 25/03/2026 Mid-Presentations	CLASS 8 WEDNESDAY 01/04/2026	CLASS 9 WEDNESDAY 08/04/2026	CLASS 10 WEDNESDAY 15/04/2026	Final Class WEDNESDAY 22/04/2026 Presentations		

Outcomes

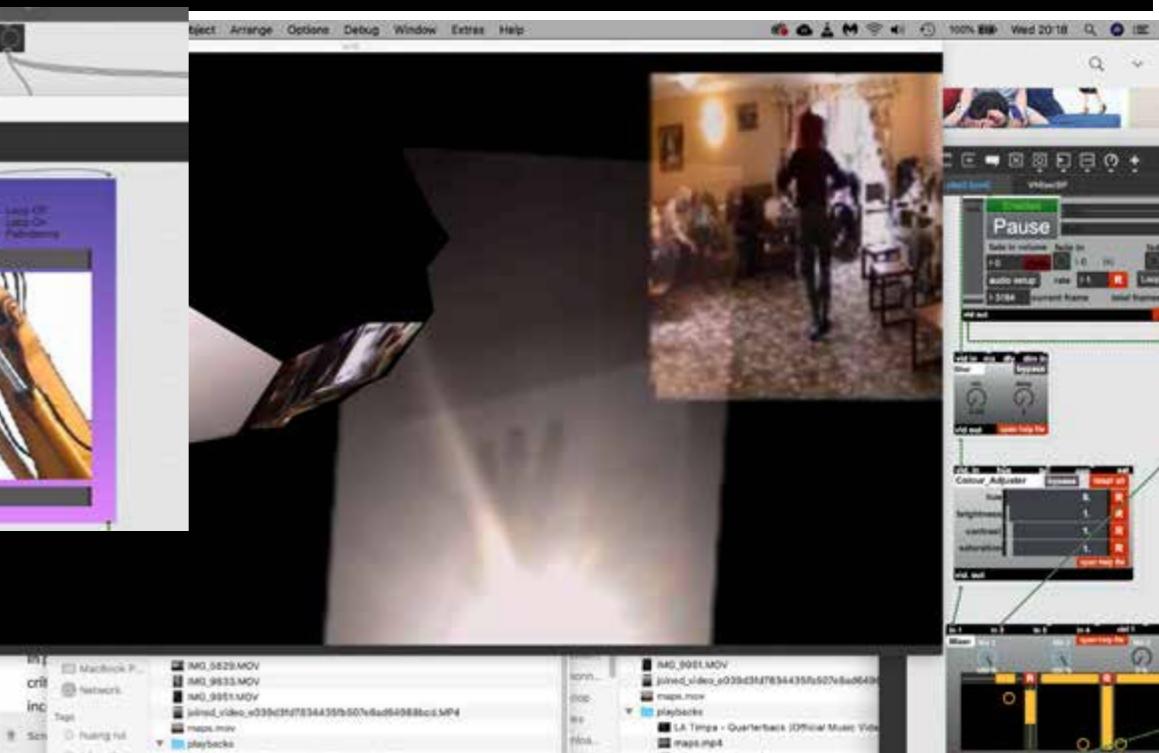
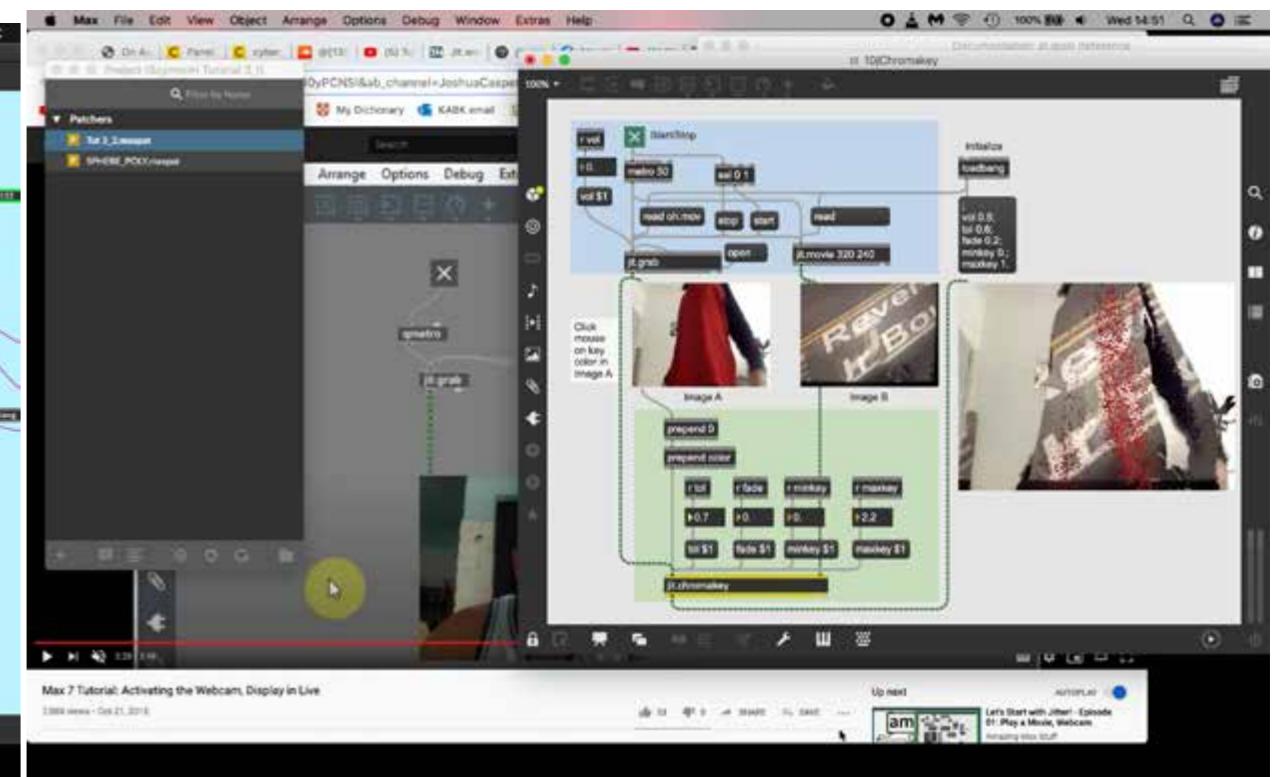


Szymon Hernik

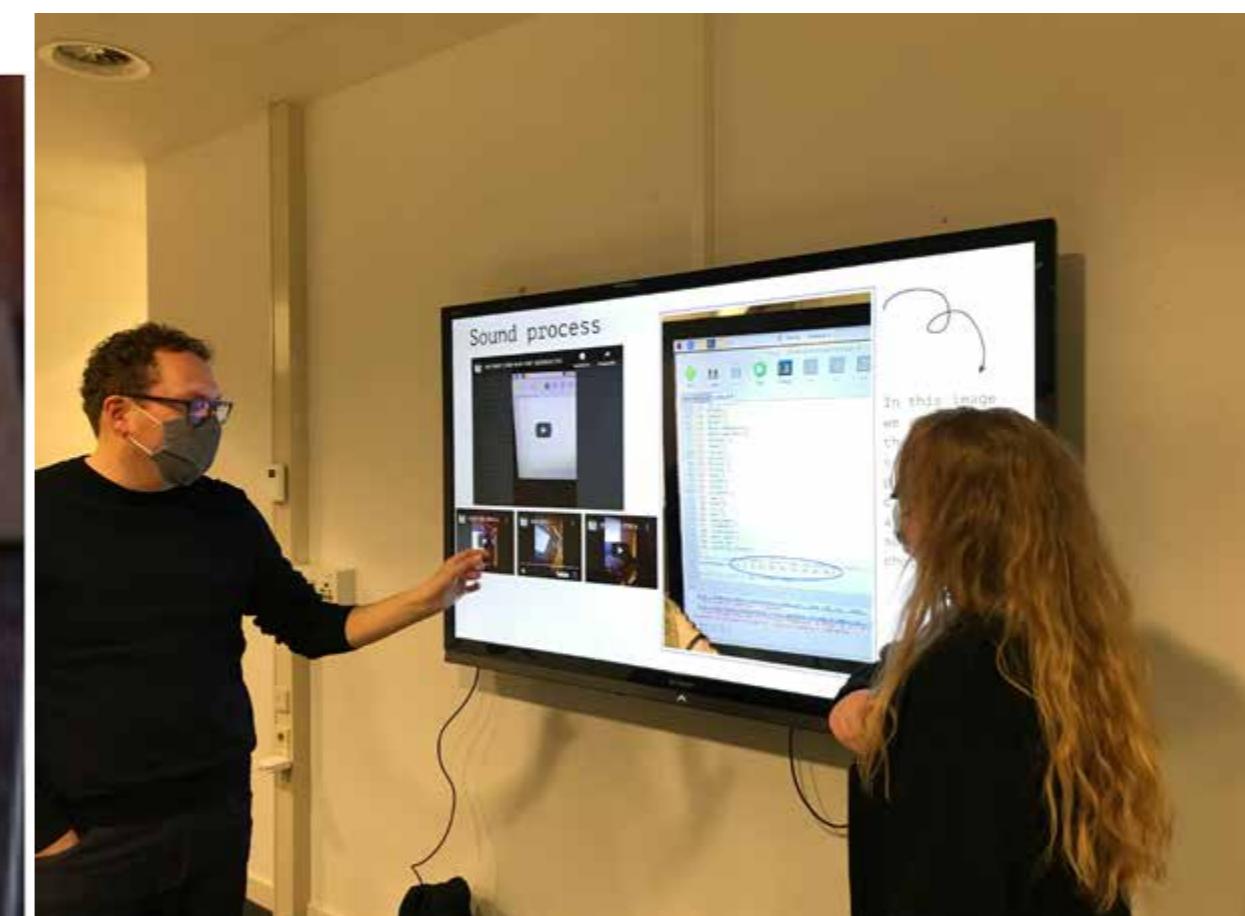
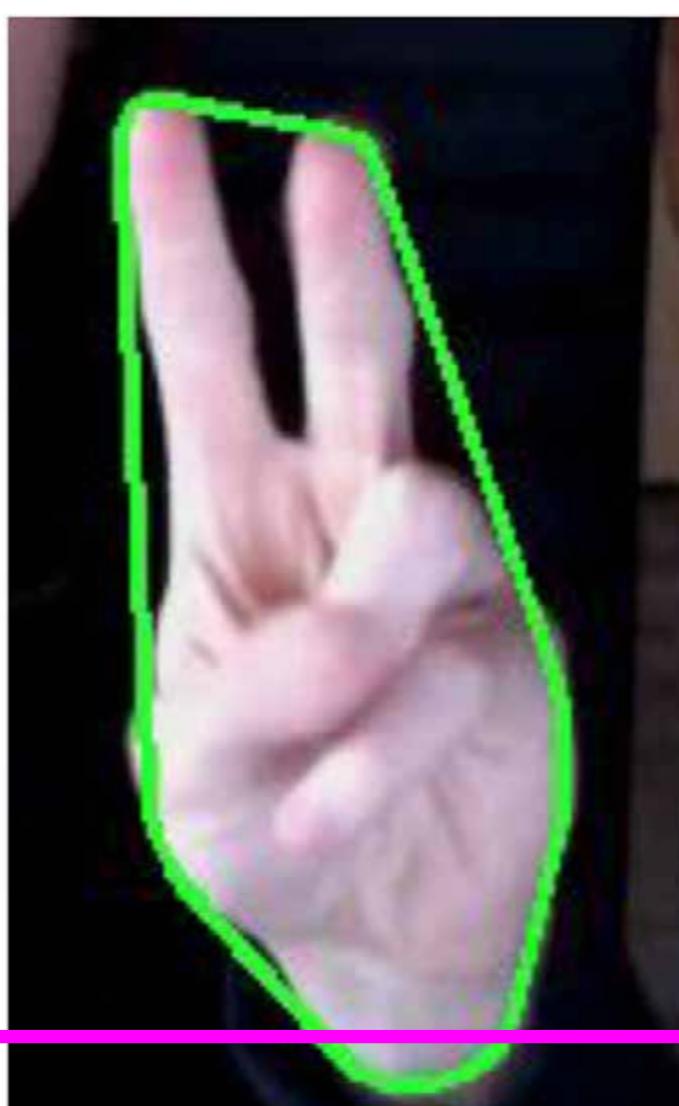
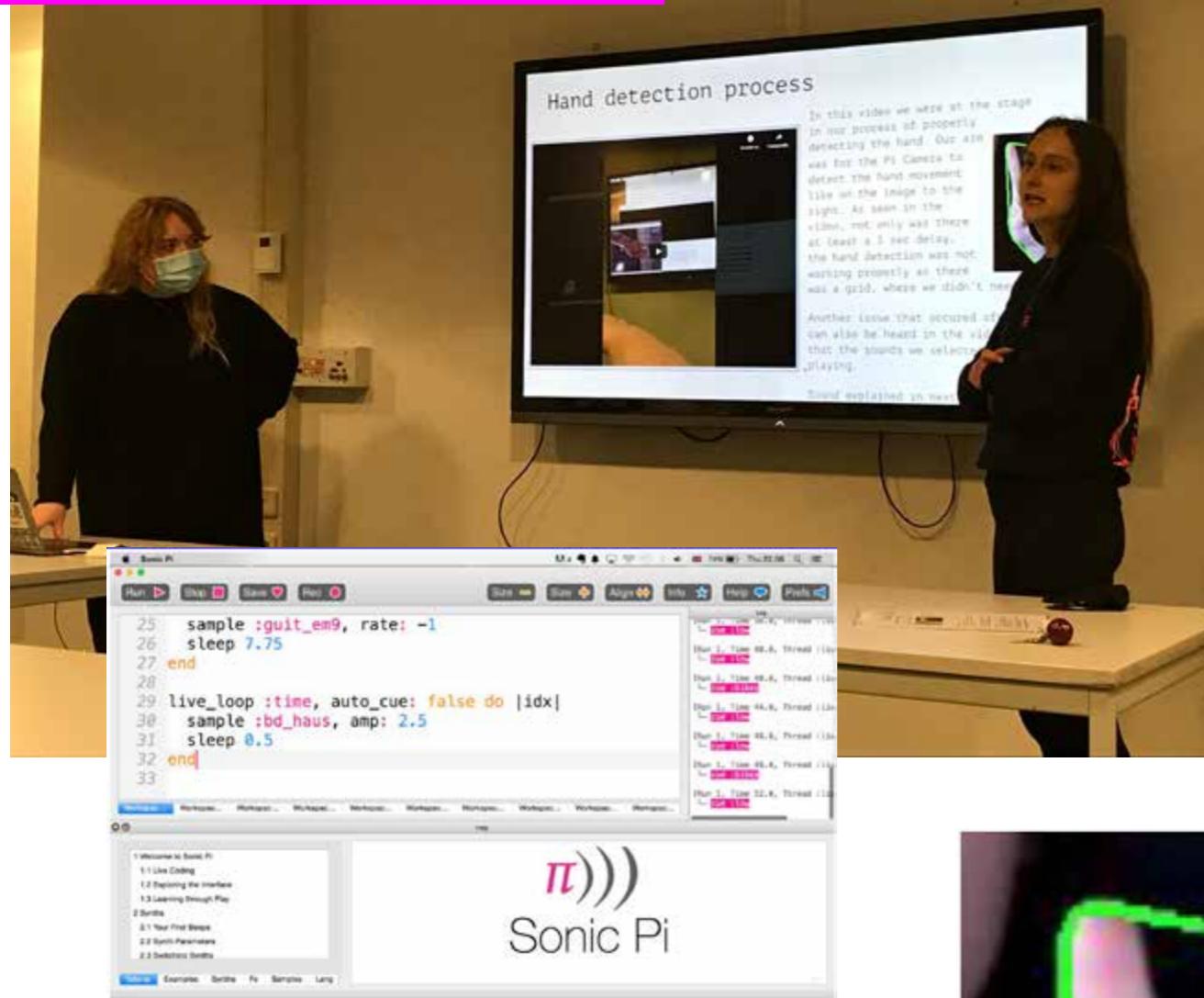
Designing an Interface for live visuals

The project explores the ‘total design’ of an audio-visual software than can be controlled and performed live as a mixer. The dimensions of graphics are explored as a playfull experiment of what is real and what is fiction. Scale, colour, noise, textures, video-mapping can all be controlled through sliders and buttons with random inputs.

The content uses political and activist media from the current climate in Poland and adds a personal presentation of webcam interfaces. Three-dimensional objects like benches and orbs are used to map content into a new realm.



Outcomes



Luiza de Miranda Rosa Awad
Sandra Veerman

Sonic Data with algorithmic detection

Multiple technologies and software have been used to make the final outcome. Raspberry pis, arduinos, cameras, Open CV, sonicPi and processing.

The project uses a camera to identify shapes and then output a sound in accordance. Similar to the earlier designs of Thermins. The work acts as an instrument and interface between human and non-human desicion making.

Outcomes



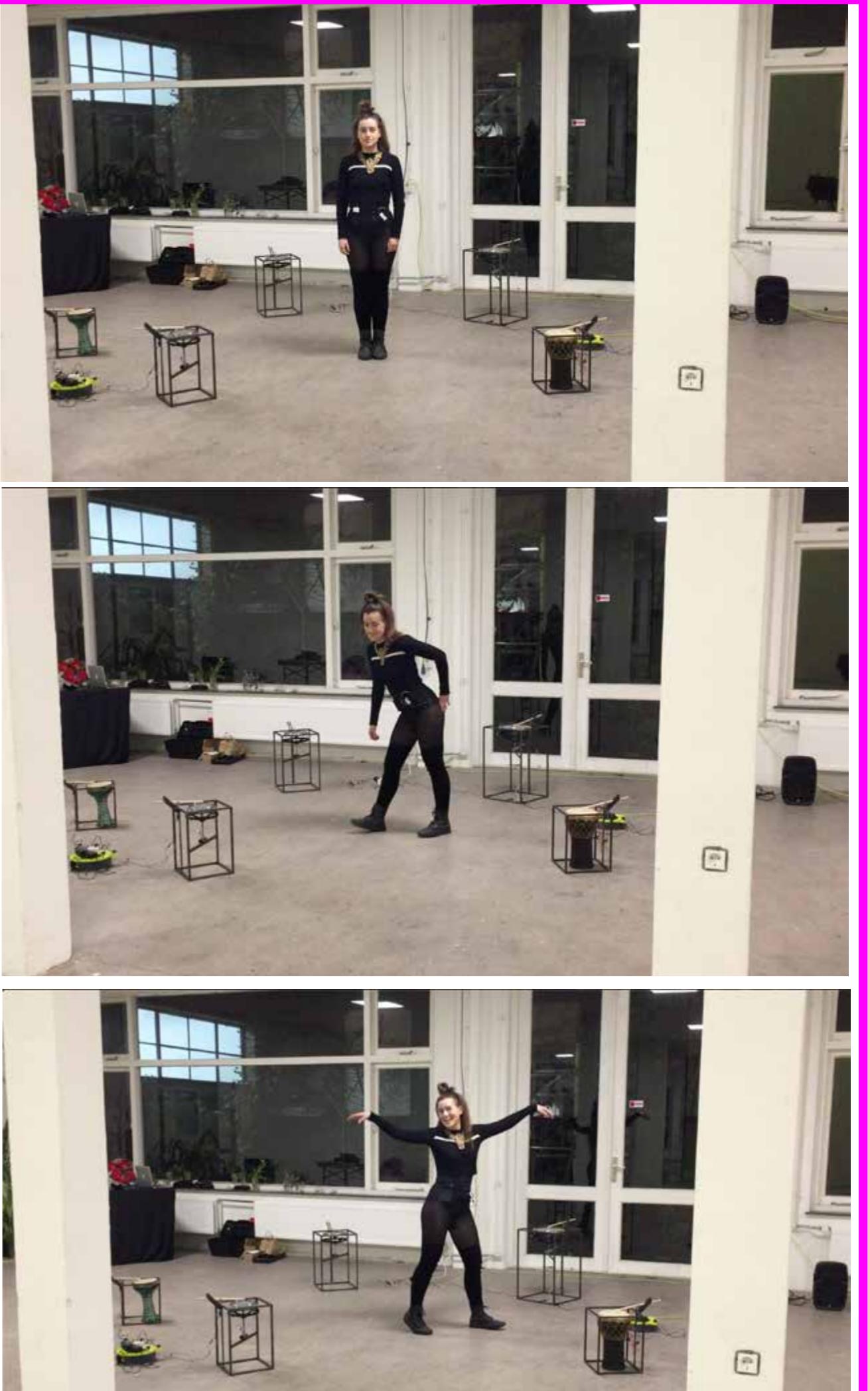
Techno-Choreography as bodily extension

Through using the body as a power instrument, interface and extension of emotions technologies can be sent signals. Using methods from techo-feminism and playful creative coding a performance is build using body sensors; EEG and Vaginal.

Through programming and elaborate hardware the muscular movements of the body send signals via WiFi to a series of drums. The drums play back in a feedback-loop signal. The final outcome is a dance performance with out-of-body percussions.

The work was presented at the Greyspace in the Middle.

Pamela Soria
Switches



RENTAL

Sound Equipment

EWC –Electronic Werkplaats
Part of the Department of
Sonology –KonCon

Microphones
Speakers å
Mixers
Amps

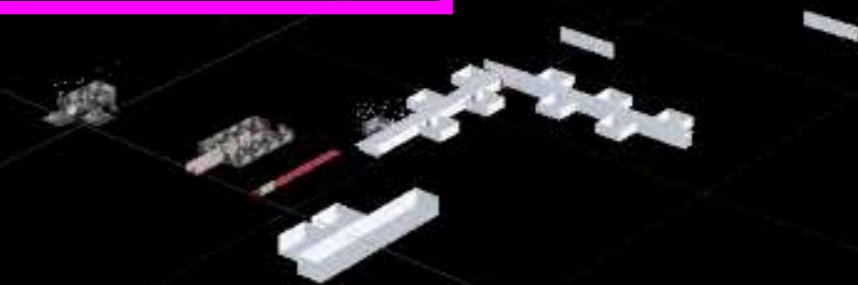
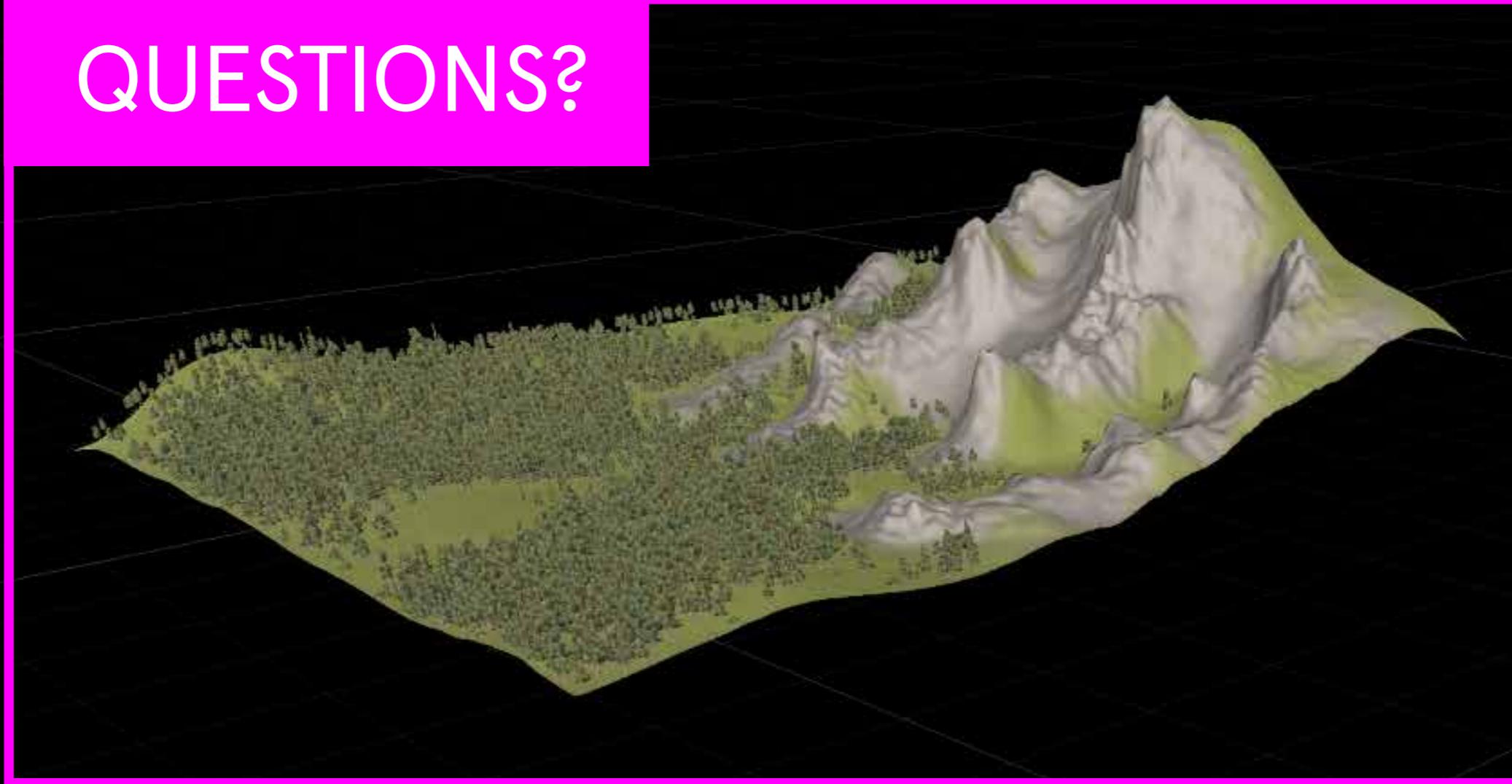
Electronics

The HackLab space
by Jaap Meijers

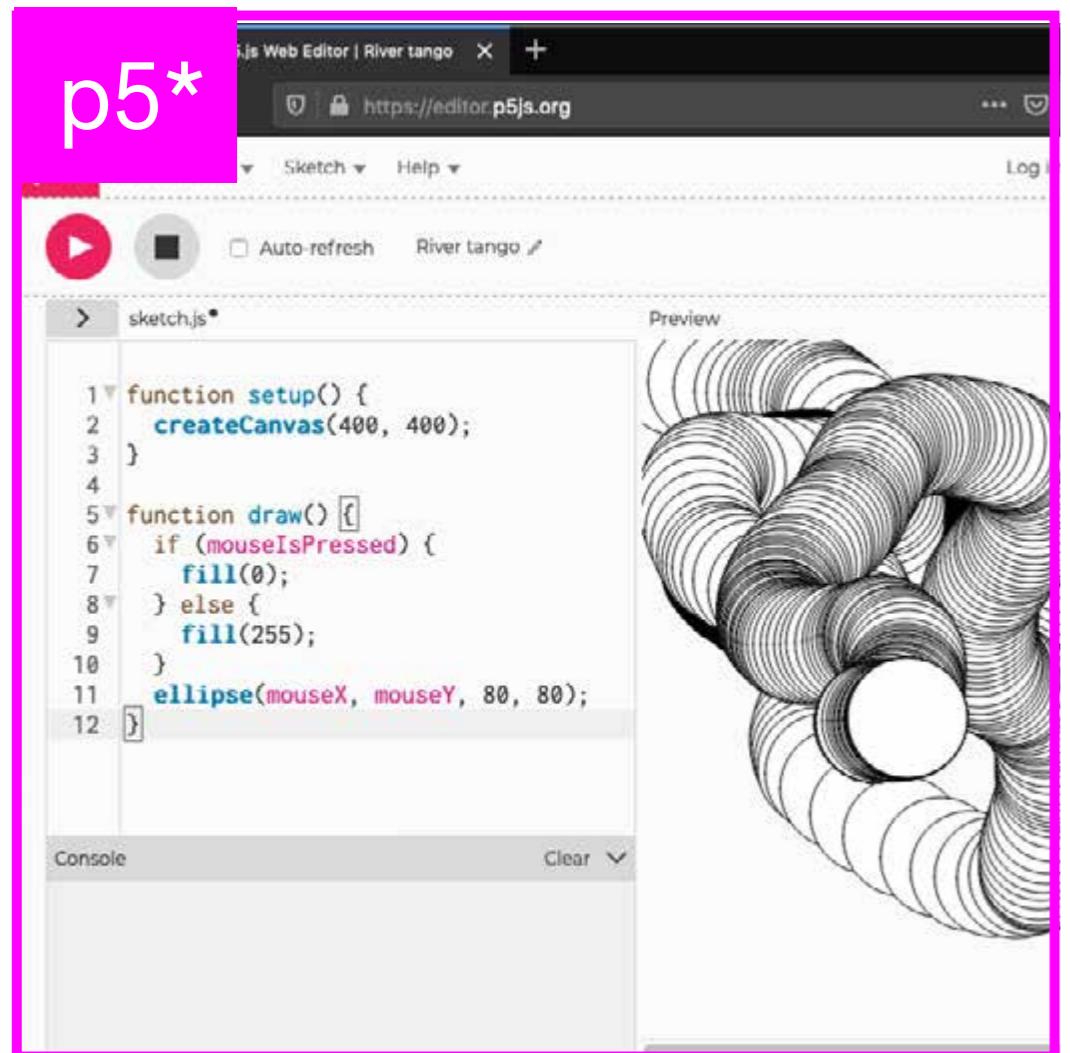
Open 2-3 days a week
Rental through Student Card

Rent a Arduino kit
Buy small electronics
Rent sensors and dev. boards
Use soldering stations
Use oscilloscopes
Use giant breadboards

QUESTIONS?



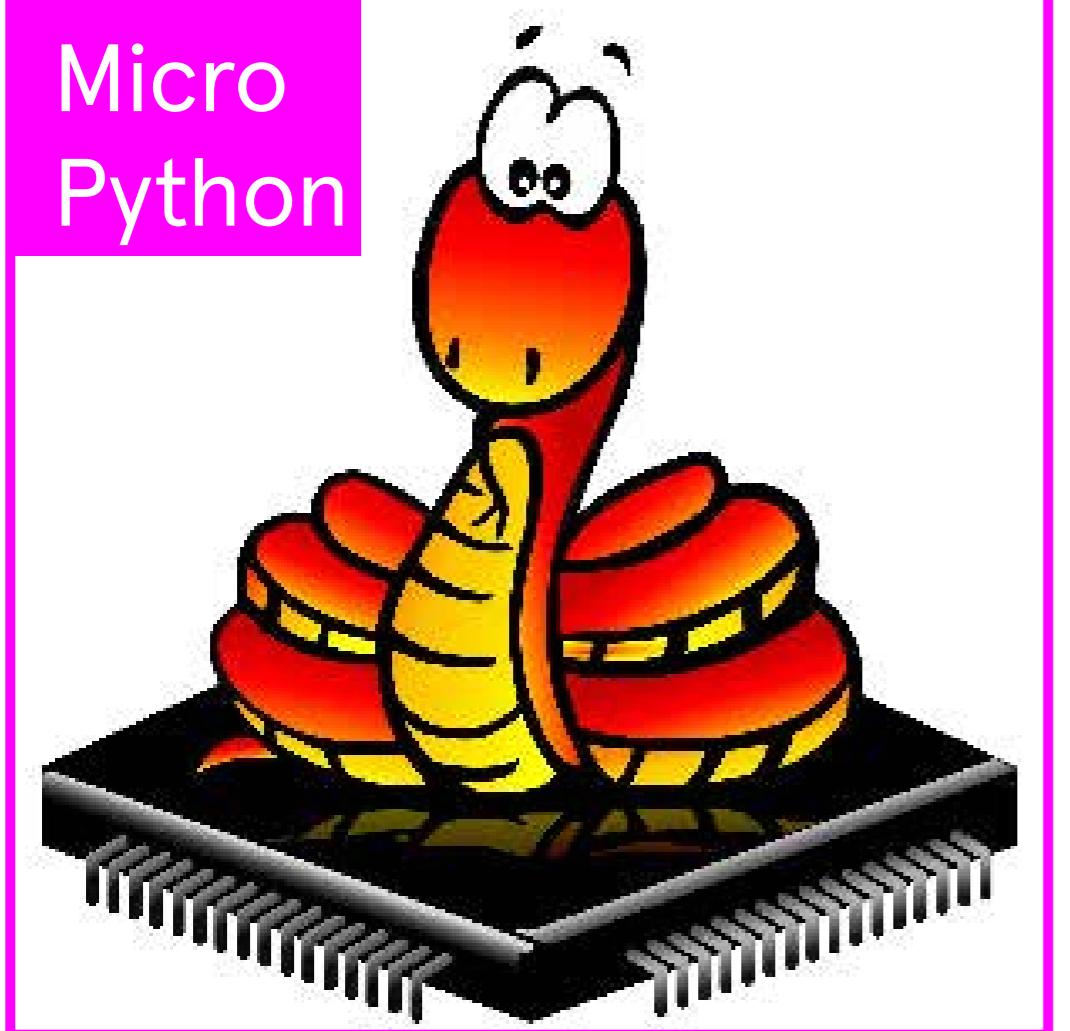
p5*



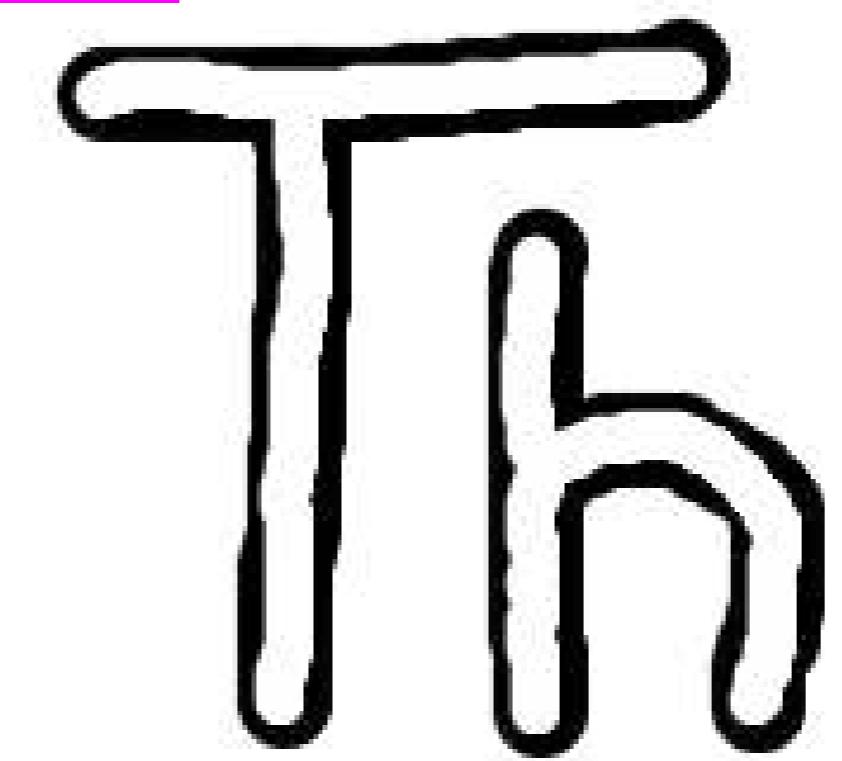
Arduino



Micro Python



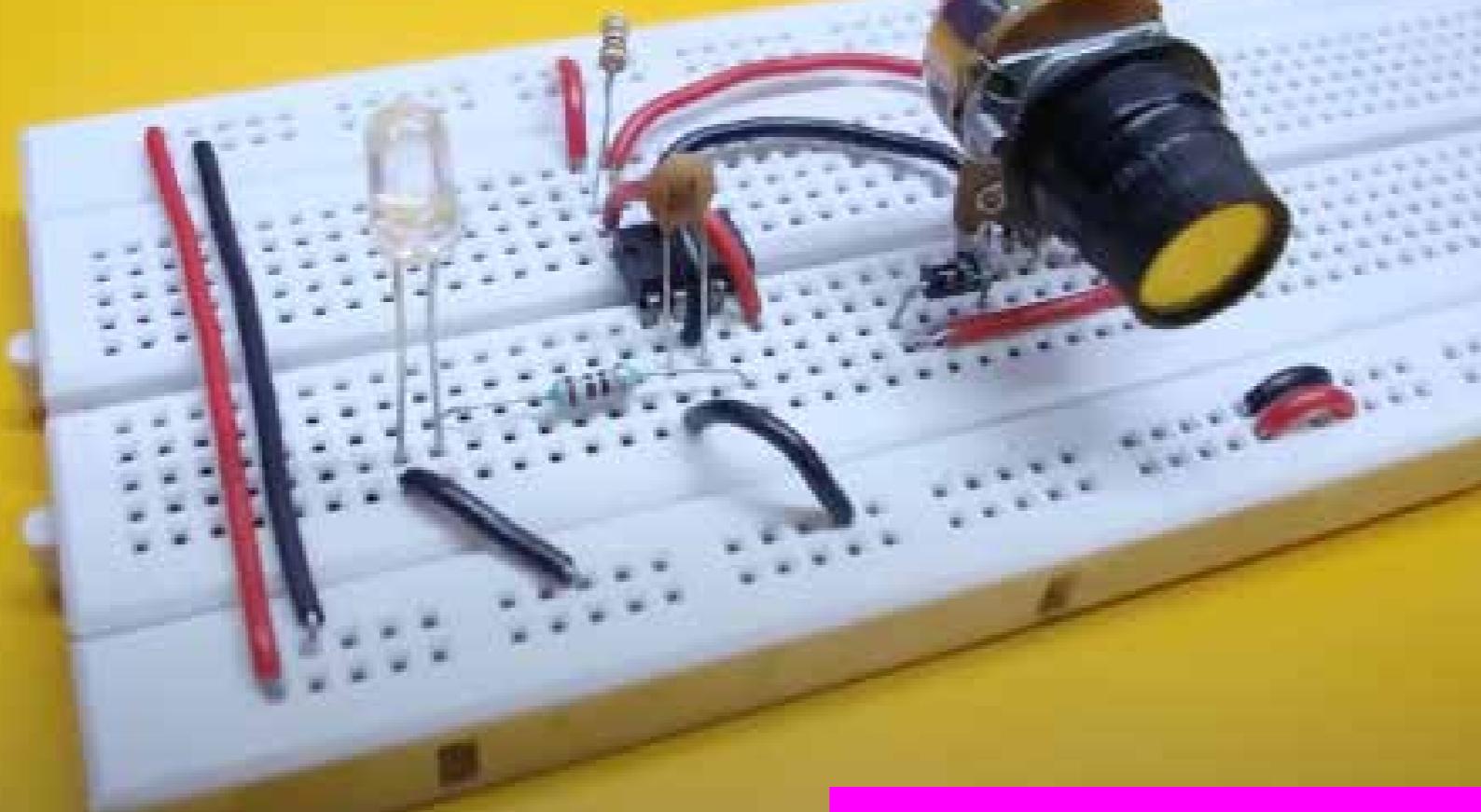
Th



PICO



PICO: Lesson 1 - tutorial



Afternoon: self-study examples



digital input

