

Make them Think Make it Fun



SFSCON



Photos: NOI Techpark / Ivo Corrà

Prof. Rosella Gennari

gennari@inf.unibz.it

pc.projects.unibz.it

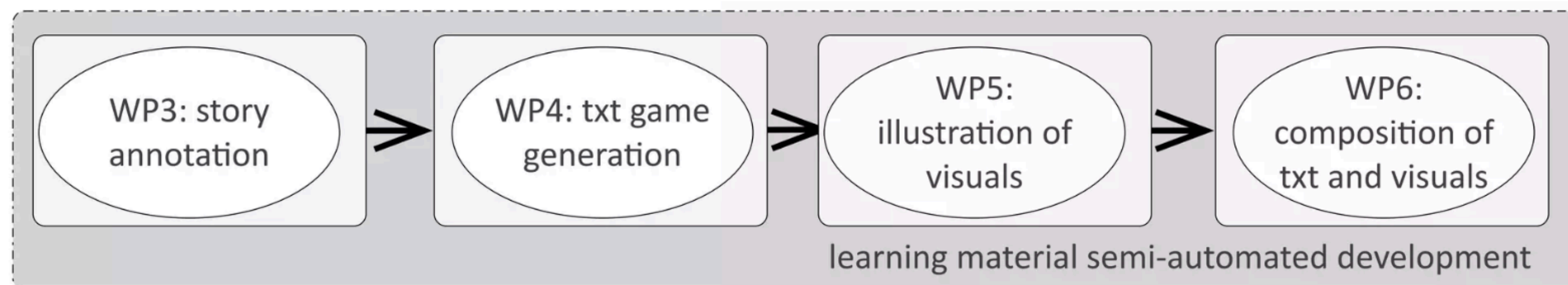
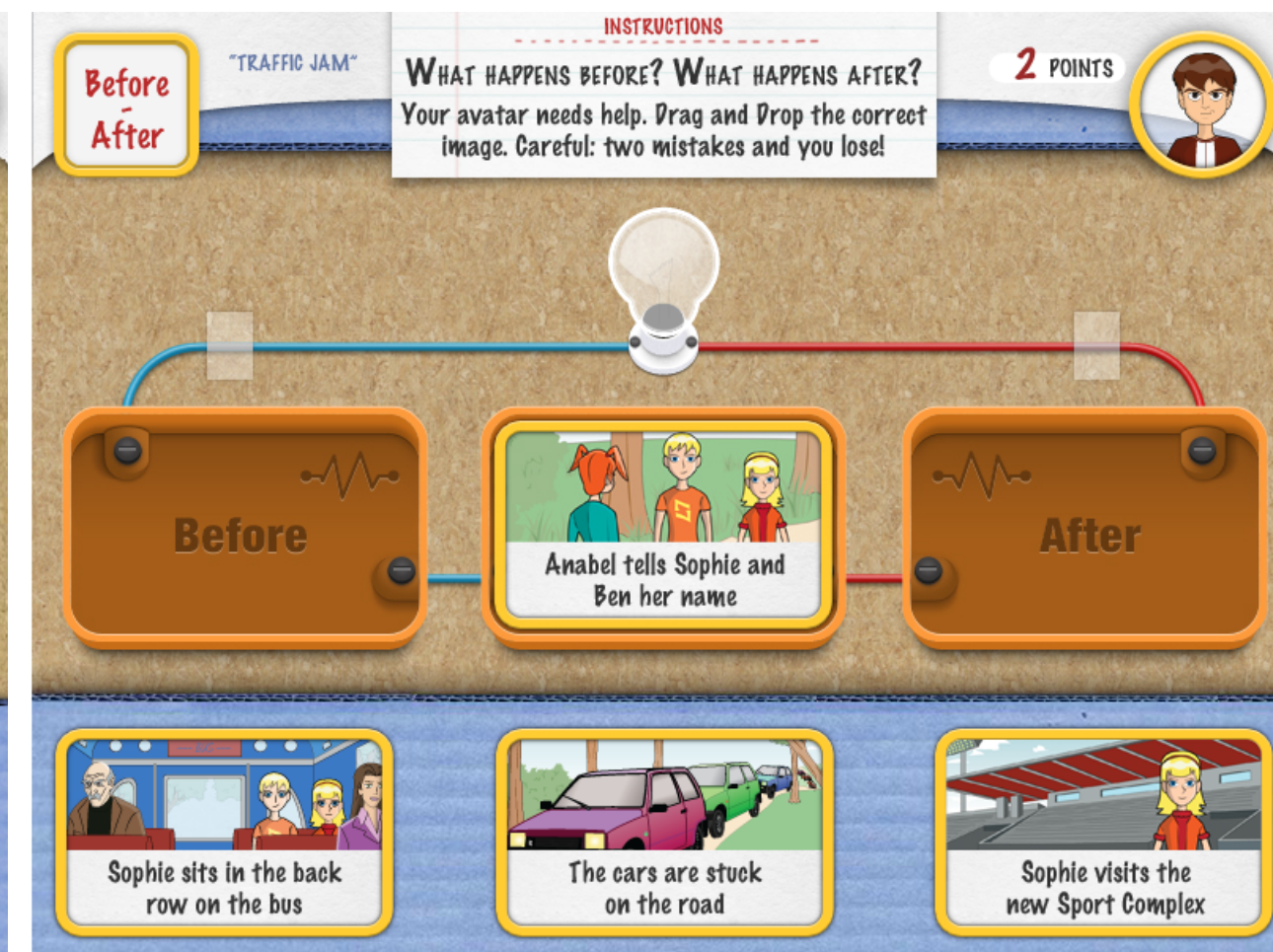
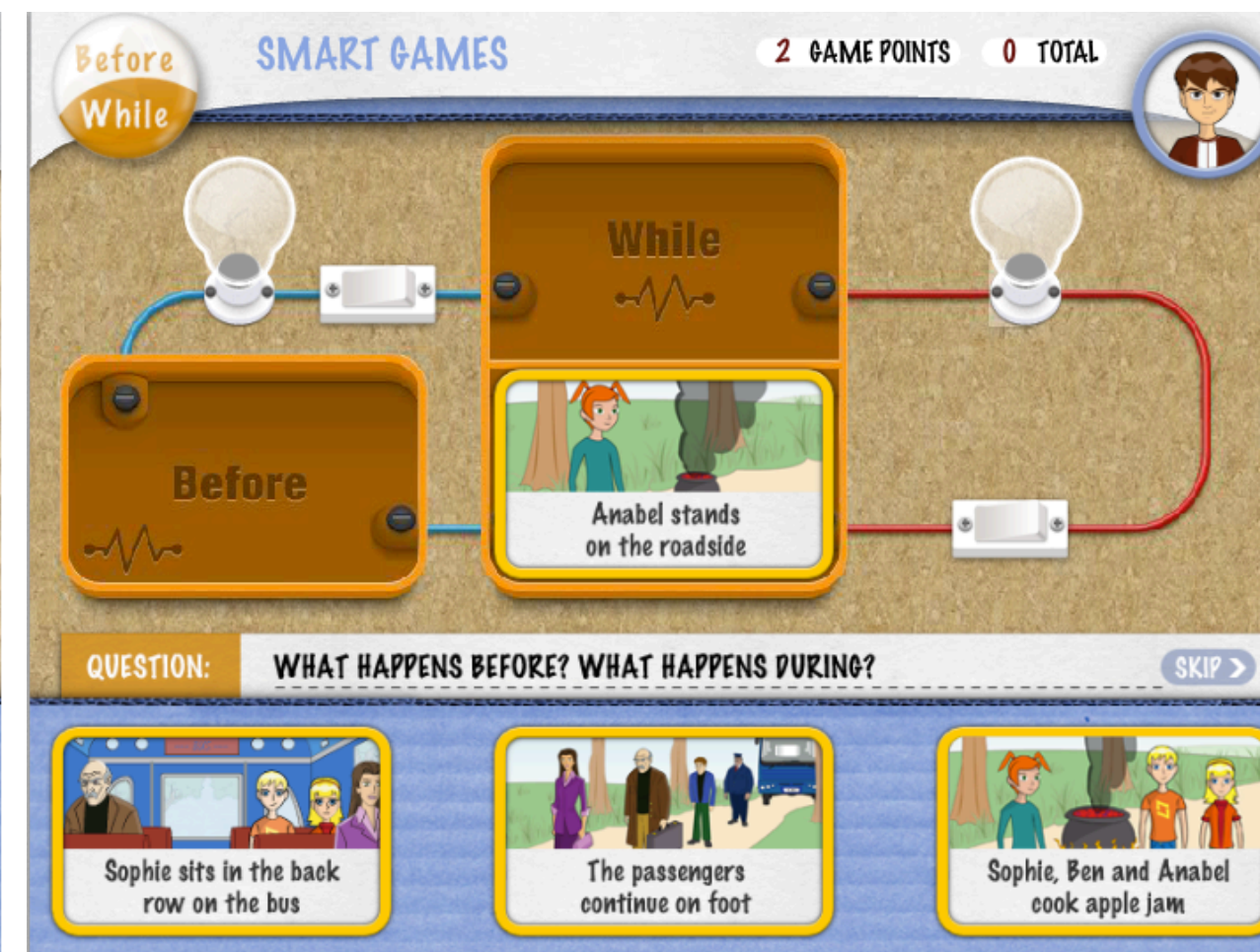
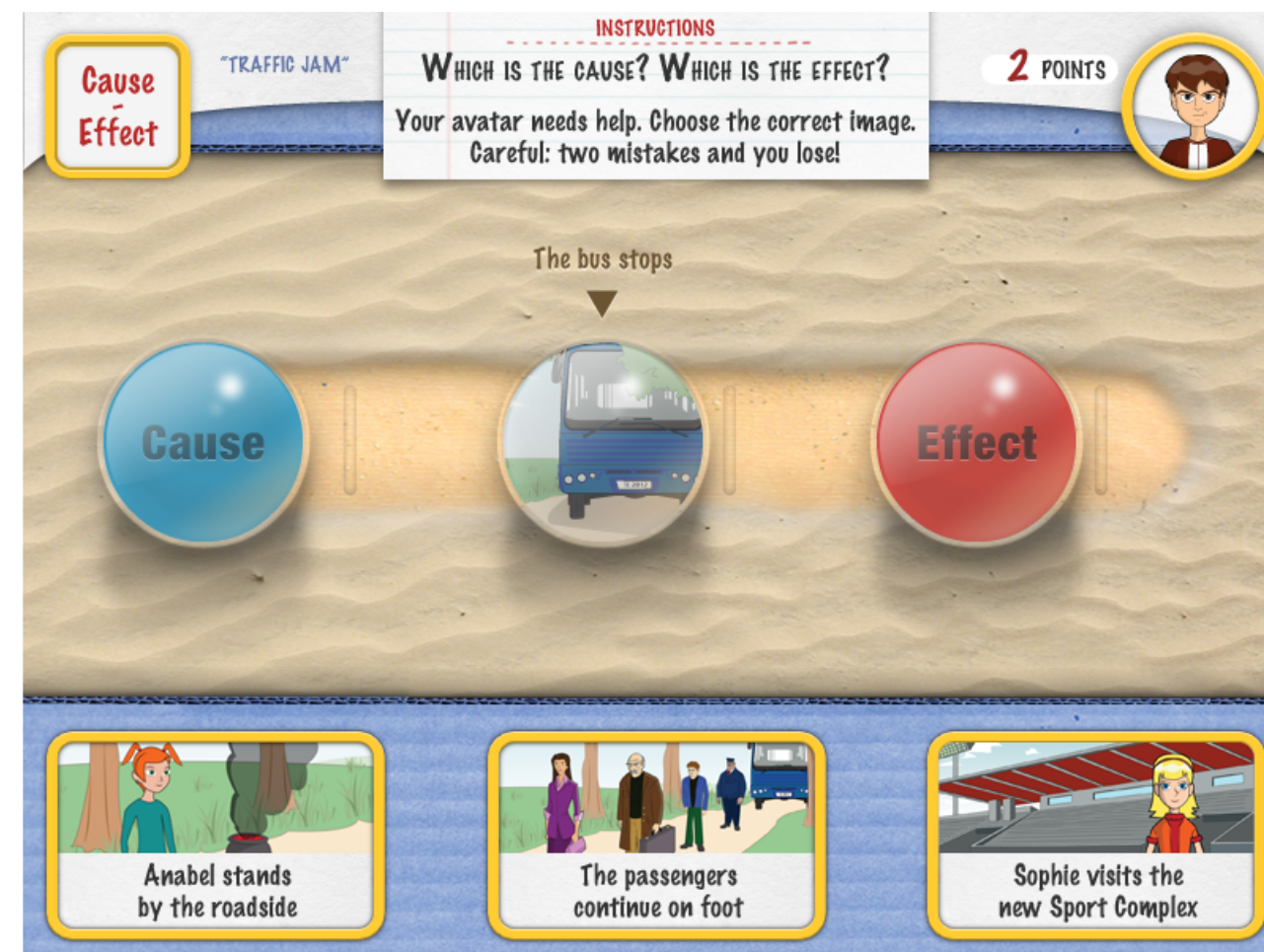
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Once upon a time...

Play for Understanding Stories



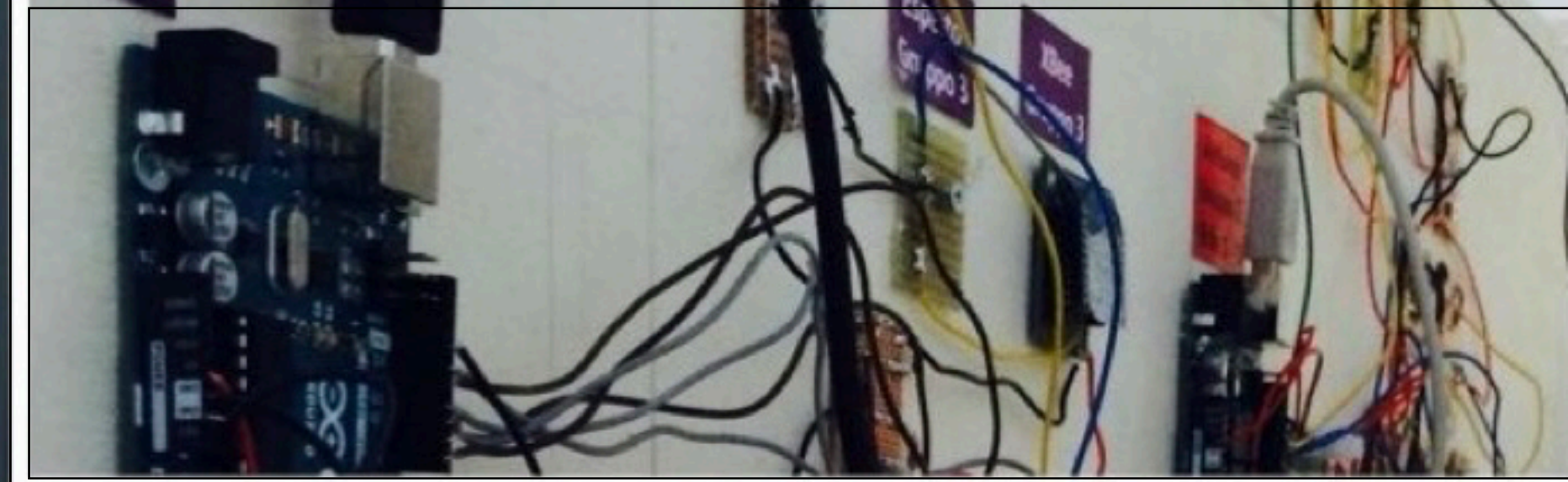
Simone Ciciliano



**TERENCE EU FP7
TEL Project**

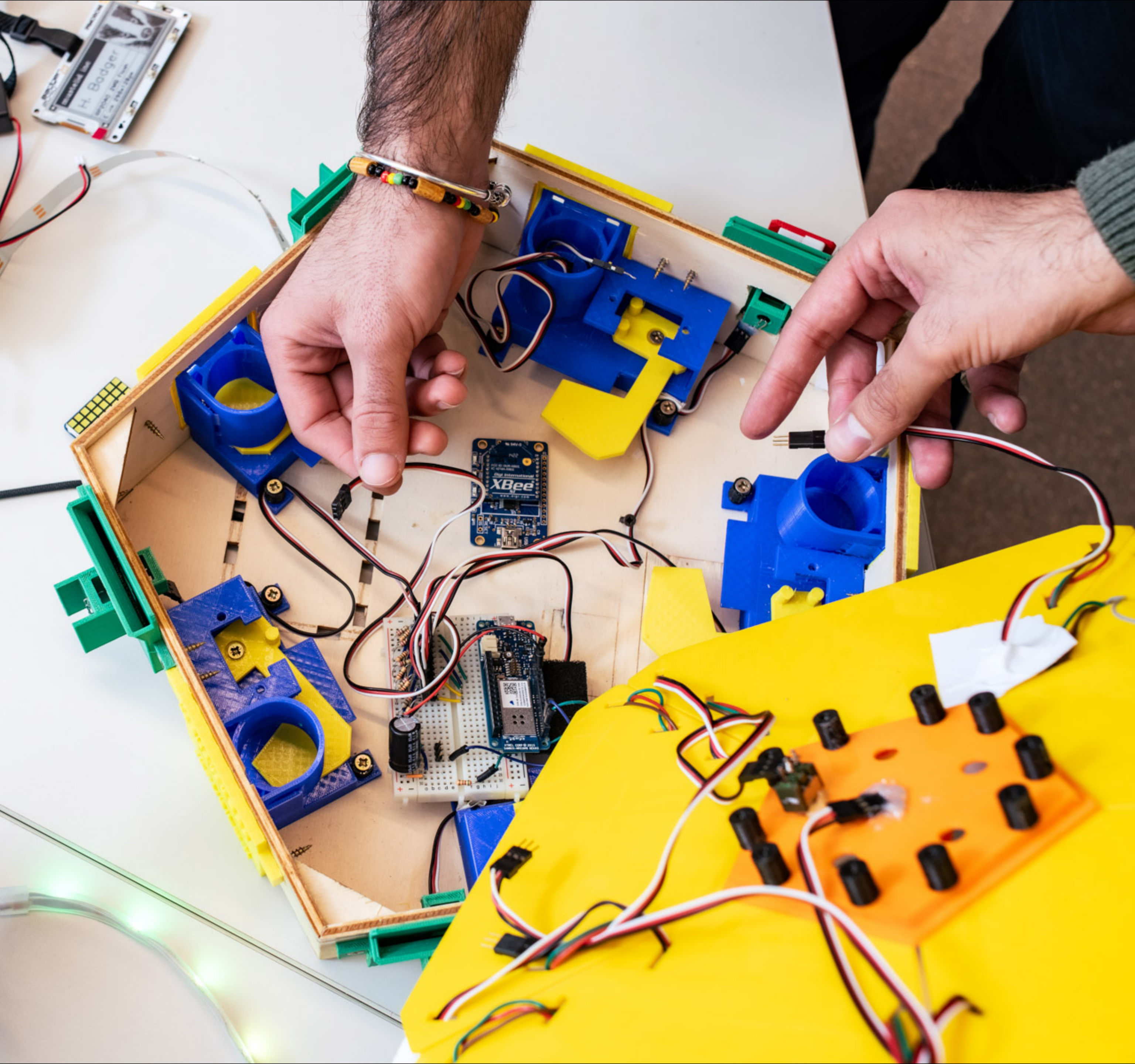
In the middle of the journey ...

From Play to Playful Phygital Artefacts for Learning

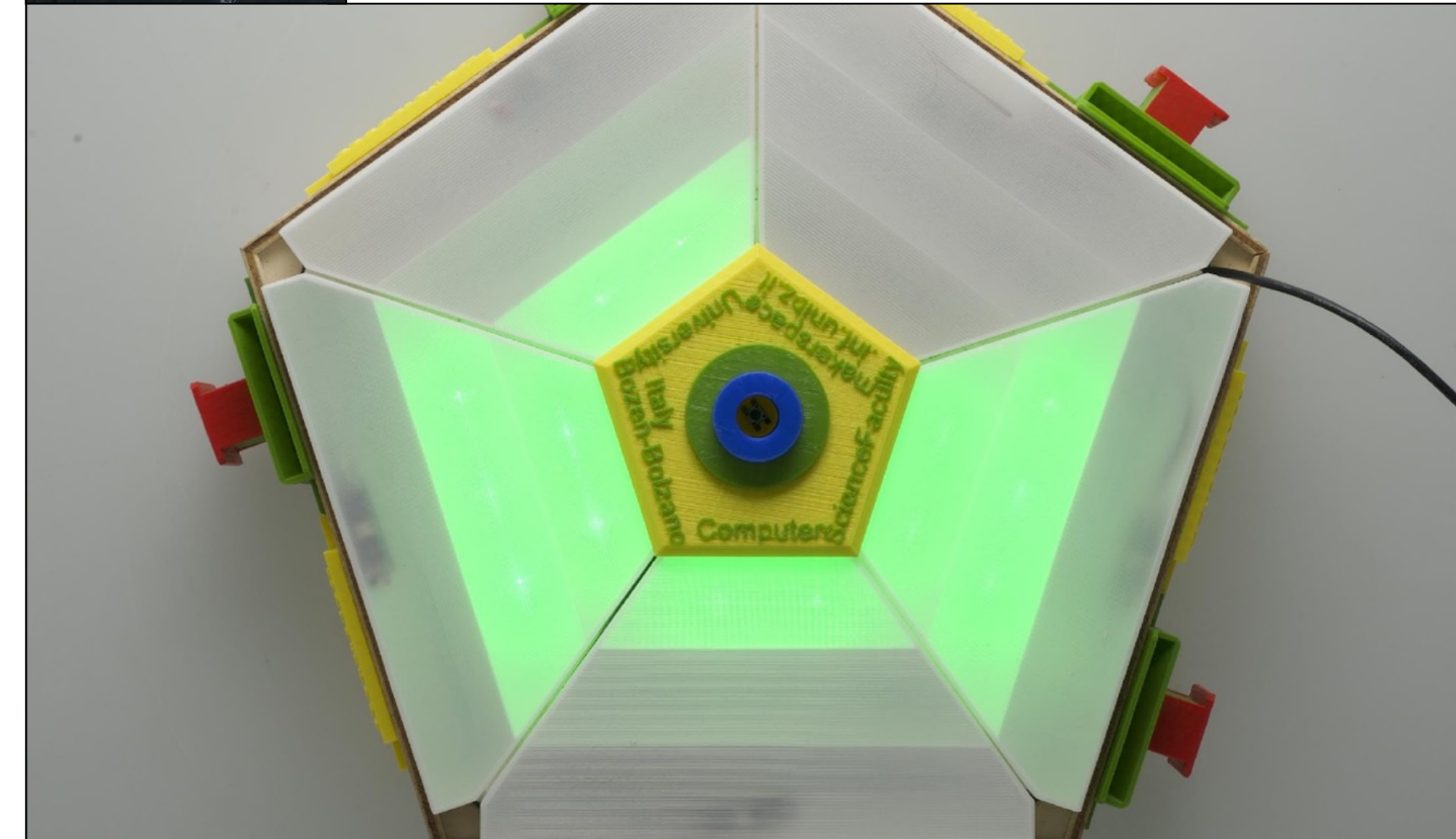


Alessandra Melonio



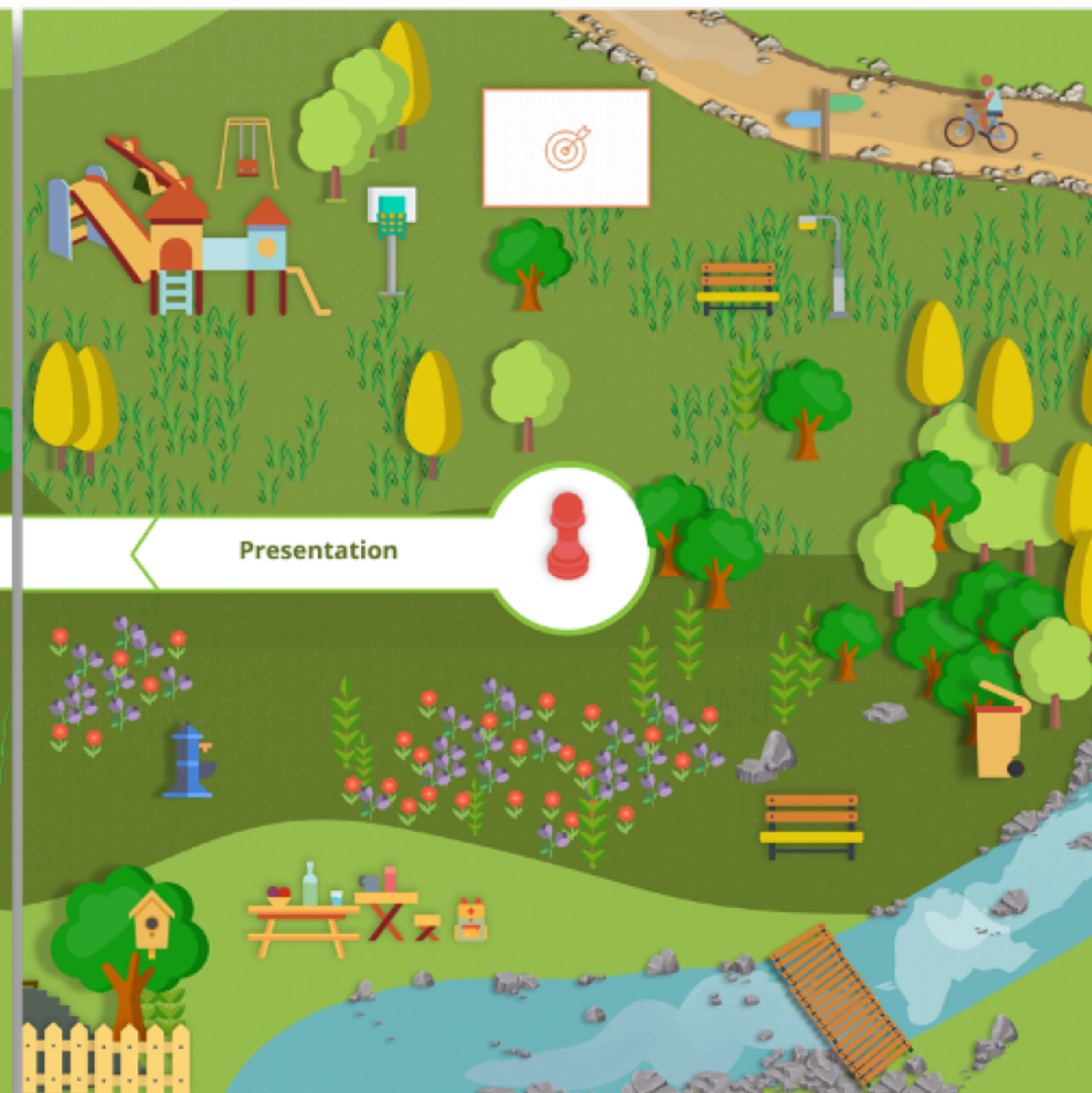


Mehdi Rizvi



Sweet in the end ...

From Bringing Phygital Artefacts to Making Them



Mission

Make the park more fun

Humidity
I can sense moisture

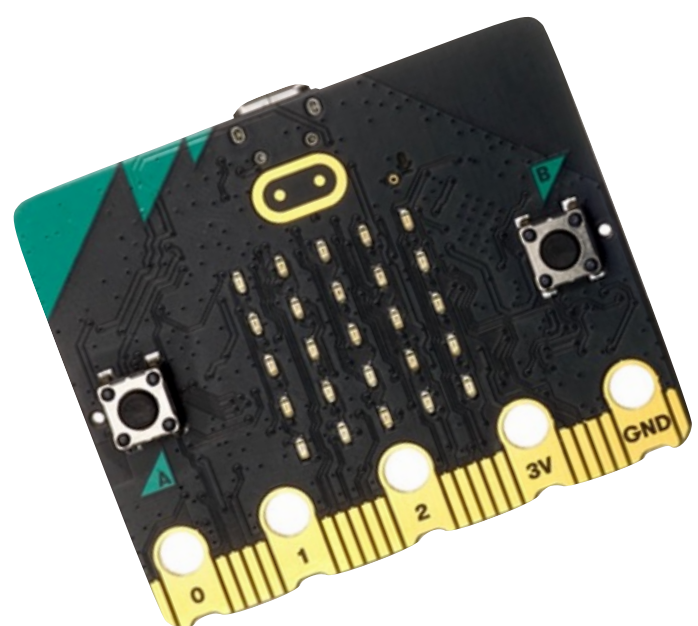
Input

Tree
A tree or some part of it

Environment

Light up
I can light up LEDs in different colors

Output



Mission
Help nature grow

Light
I can detect the density of light
Input

Birdhouse
A birdhouse or some part of it
Environment

Rotate
I can rotate myself
Output

When the light is **high**

then rotate **90** degrees

Describe why the idea helps the mission:
The birdhouse turns wherever there is more light to warm up the birds

Pick mission

Buy cards

MY CARDS

Temperature
I can measure temperature
Input

Acceleration
I can detect whether I am moving fast or slow
Input

on start

set servo **P1** range from **0** to **180**

forever

if **light level** > **127** then

set servo **P1** angle to **180**

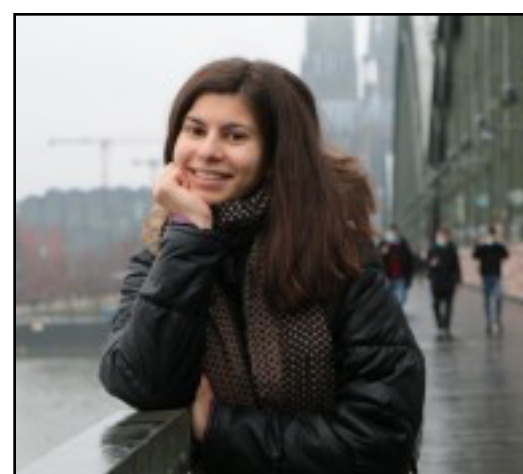
pause (ms) **1000**

else

set servo **P1** angle to **90**

pause (ms) **1000**

Check your idea



Ioanna Terzi



Niccolò Pretto

(re)discovering surroundings



snap.inf.unibz.it

IoTgo · Streamlit

share.streamlit.io/iotgo-app/iotgo-io/main/webapp/iotgo-it-1.py

IoTgo

Game of Internet of Things

Mission
To engage people with my art
1.1

Elderly person
Persona

Ceramic item
Vase, pot, plate, tile,...
Thing

[Edit](#)

if... then...

Movement is not present
Physical Input

+

Show happy icon
Physical Output

Compass points North
Physical Input

+

Turn on light
Physical Output

JS

Python

Blockly

```
on radio received name value
  set forecastName to name
  set forecastValue to value

forever
  if digital read pin P0 = 0 then
```

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with M. Rizvi

Aliferous

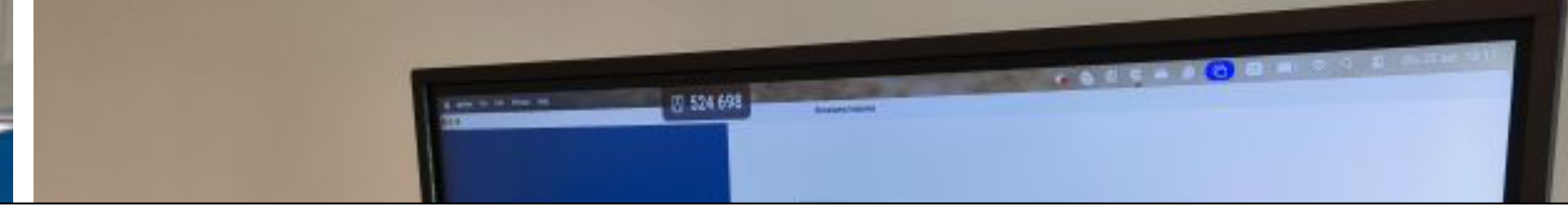
National Art
Gallery of
Lilliput

Memory Blink

A Refugee's
Passport

Participating Artists:
Qurrat ul Ain Shaukat (Annie)
Vagelis Kolotsios
Veronica Zen
Mamtaz Banu
Riccardo Zen

Public Exhibition: [Dis]Assembling Futures, co-located with CHIItaly 2021



With the Italian Education Department of Bozen-Bolzano



**Andrea
Bonani**



Making **Phygital Artefacts**

Bilal Khan

with Pre-schools

*in collaboration with
Ca' Foscari U. of Venice &
the Italian Education Department
of the Province of Bozen-Bolzano*



From Research to Society and back

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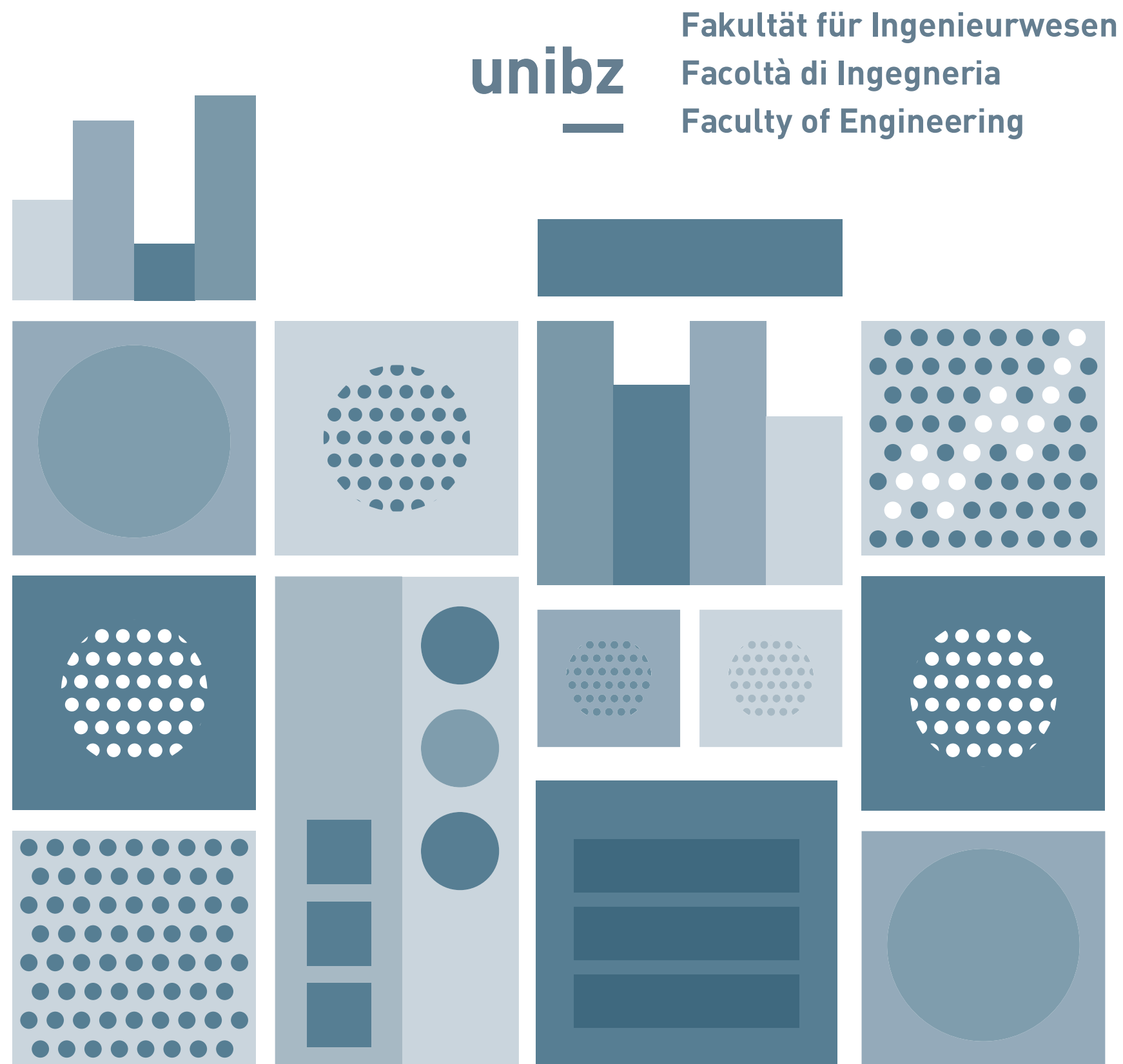
Engineering Faculty

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Engineering Co-Space Lab

A space at the Faculty of Engineering entirely dedicated to collaboration and making with free open-source software (e.g., FUSS Linux) and hardware (e.g., Arduino): the Engineering Co-Space Lab workshops are aimed at school pupils, students, teachers and anyone else who is interested



unibz STEM School 2025

17-20 Feb 2025 | Engineering Faculty | B1, NOI

18 workshops for 4 Bachelor's degrees

Available: 214 seats

Requests: > 240 after 1 week from its opening...



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