

# Creativity, Science and Innovation

Project 4: This is it

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Politecnico di Milano

# BUT FIRST...



# **THE CHALLENGES CHALLENGE**

From the PoliMI Strategic Sustainability Plan

<https://www.polimi.it/en/social-impact/sustainable-development>

**EDUCATIONAL & LEARNING**

**PEOPLE CIRCULAR ECONOMY**

**SOCIAL RESPONSIBILITY**

**POLIMI 2.0**



# THE CHALLENGES CHALLENGE

Each team can choose its challenge

@31.10.2025

*submit slide and a 3-page report*

<https://tinyurl.com/CSIPrj3202509doc>

10' talks + questions

Starting @ 3.11.2025

# **10' TALKS + 5' Q**

**6 teams @ 3.11, Zoom, 9.30am**

**5 teams @ 3.11, 3.1.3, 12.30pm**

**6 teams @ 6.11, Zoom, 9.30am**

**5 teams @ 6.11, 25.02, 12.30pm**

**5 teams @ 10.11, 3.1.3, 12.30pm**

**6 teams @ 11.11, Zoom, 9.30am**

**REGISTER at (deadline: 2.11.2025)**

**<https://tinyurl.com/CSI2025AgendaPrj3>**

# TODAY...



# TECH PROJECTS



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(<https://tinyurl.com/CSJPrj4202509>)
  1. students not assigned in (3) can decide where to compete
  2. tracks have to be balanced wrt their participants

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6. Teams in a track will compete to be the track champ
7. Track champ will be selected by the track supporter

# TECH PROJECTS: DEADLINES

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3. Instructors will assign students in tracks: **@ DONE**  
(<https://tinyurl.com/CSJPrj4202509>)
  1. students not assigned in (3) can decide where to compete
  2. tracks have to be balanced wrt their participants
4. The students can create their teams autonomously:  
**@ 20 - 23.10** (<https://tinyurl.com/CSJPrj4202509>)
5. Instructors will “validate” the teams: **@23 – 27.10**

# TECH PROJECTS: TRACKS

CS

I

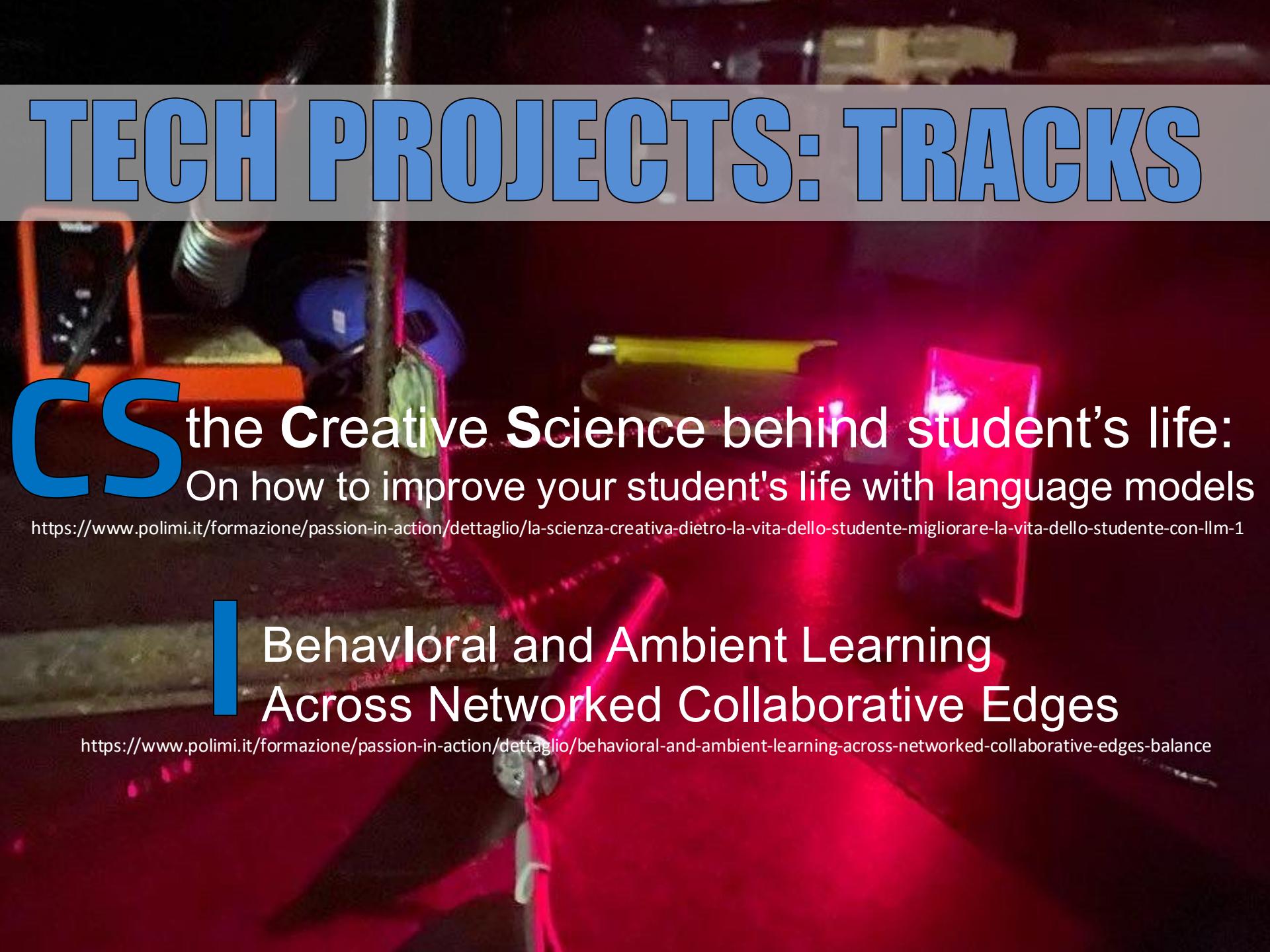


# TECH PROJECTS: TRACKS

**CS** the Creative Science behind student's life:  
On how to improve your student's life with language models

<https://www.polimi.it/formazione/passion-in-action/dettaglio/la-scienza-creativa-dietro-la-vita-dello-studente-migliorare-la-vita-dello-studente-con-llm-1>

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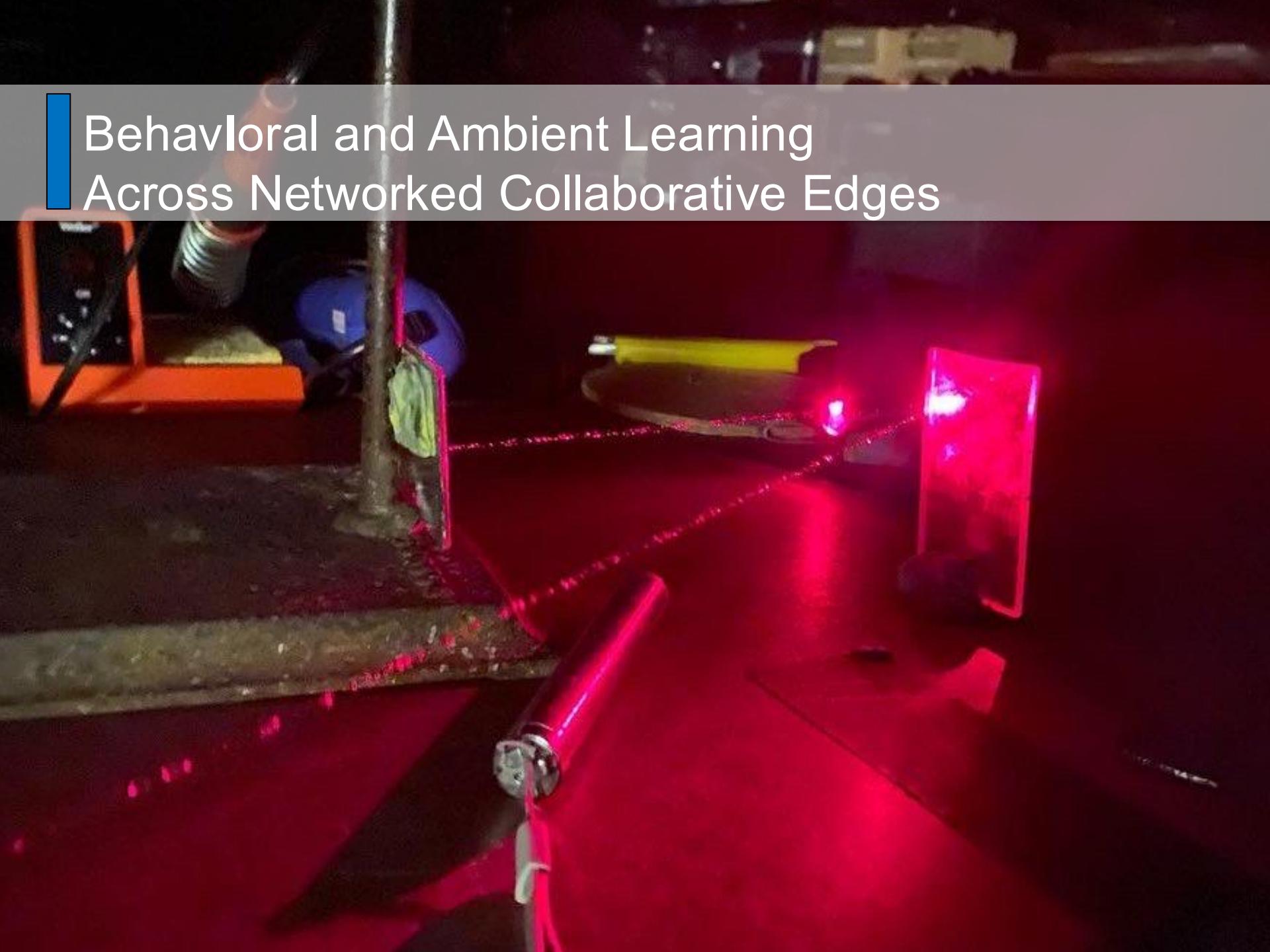
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Behavioral and Ambient Learning  
Across Networked Collaborative Edges

<https://www.polimi.it/formazione/passion-in-action/dettaglio/behavioral-and-ambient-learning-across-networked-collaborative-edges-balance>

# Behavioral and Ambient Learning Across Networked Collaborative Edges



# Behavioral and Ambient Learning Across Networked Collaborative Edges

@CSI classrooms/hours

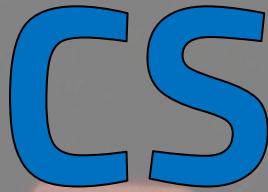
November: 13, 20, 24, December: 1, 4

By unlocking access to rich physiological and behavioral data through Garmin's APIs and SDKs, we can now explore new frontiers in personalized wellness monitoring — from **sleep and cognitive performance to sports and recovery analytics**.

This course dives into how Garmin data can be collected, processed, and transformed into actionable insights directly on edge devices, reducing cloud dependency while preserving user privacy. It's a journey through **smart, context-aware architectures**.

Docs: on dropbox – Projects – Prj4 – BALANCE

Take your Garmin: October 27 and 28



the Creative Science behind student's life:  
On how to improve your student's life with language models

Think about challenges, pain points and chores you face on a daily basis as a Polimi student.

How could multimodal language models make your student's life easier? Your goal is to build a digital tool to support you in these challenges — whether for studying, planning, daily chores, or discovering university opportunities (courses, internships, events, etc.).

**Create a simple Proof of Concept (PoC)—a website, mobile app, or an interactive demo—that you'd be enthusiastic to use yourself and proudly recommend to your friends.**



the Creative Science behind student's life:  
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**Seminar Room "A. Alario", Bld 21, 4<sup>th</sup> floor**

**6pm – 7.30pm**

**Oct: 29; Nov: 12, 19, 26, Dec: 12**

We'll introduce you to state-of-the-art multimodal language models, showing how they can boost productivity, assist with coding, and more.

**However, we won't directly teach you how to build an app or a website — that's for you to figure out!**

There are no restrictions on the models or tools you use, as long as your solution is creative, practical, and useful. Build something that helps with studying, productivity, budgeting, campus life, or well-being, and show us how you can make student life better.

# TEAMS IN TRACK...



# **TEAMS IN TRACK... COMPETING TO BE THE CHAMP**



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1. Teams have to submit their reports, by Jan 6, 2026  
(6 pages max) - <https://tinyurl.com/CSIPrj4202509doc>

# TEAMS IN TRACK... COMPETING TO BE THE CHAMP

0. (Dry run \w Aldo and \w Santa, Dec 2025)
1. Teams have to submit their reports, by Jan 6, 2026  
(6 pages max) - <https://tinyurl.com/CSIPrj4202509doc>
2. Teams **assigned** to a track will present at the supporter location, competing to be the champ
- (2. All the teams will have the chance to present at the other supporter locations – without competing)

**TEAMS IN TRACK...  
COMPETING TO BE THE CHAMP**



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**1 TEAM IS GOING TO WIN  
EACH TRACK**

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**THE 2 TRACK WINNERS  
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**1 TEAM IS GOING TO WIN  
EACH HOW?**

**THE 2 TRACK WINNERS  
ARE GOING TO COMPETE**

# RESEARCH LINE FAIR EVENT

DEIB CONFERENCE ROOM  
@30.1.2026, 9AM – 12PM

THE 2 TRACK WINNERS  
ARE GOING TO PRESENT @ NRLFE

**NECST RESEARCH LINE FAIR EVENT**

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**WHAT?**  
**THE 2 TRACK WINNERS**

**ARE GOING TO PRESENT @ NRLFE**

TV

NECST  
laboratory

WINNER... NSW26  
24-27.7.2026

**NOT ONLY!  
BUT YOU'LL KNOW IN JUL**

**WINNER... NSW26  
24-27.7.2026**

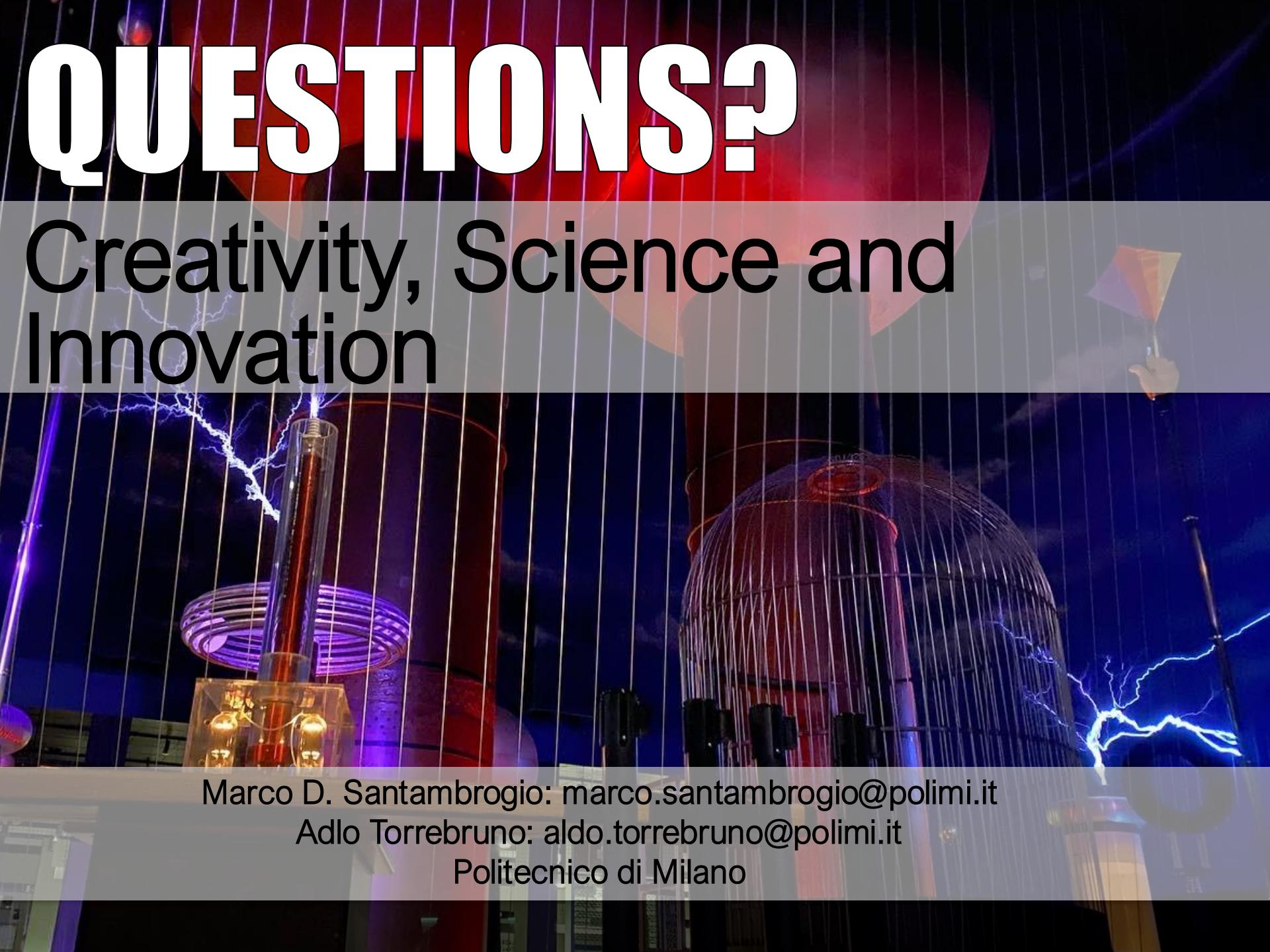
TV

NECST  
laboratory

NGC X  
2023@X

# QUESTIONS?

Creativity, Science and  
Innovation

A photograph of a science exhibition booth. In the foreground, there's a large glass tube containing a glowing spiral, likely a Van de Graaff generator. Behind it, a large cylindrical Tesla coil is active, with bright blue and white arcs of electricity jumping between its terminals. A person's hand is visible on the right side, holding a small colorful flag. The background is dark, making the bright electrical discharges stand out.

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