

Costantina Cossu Simonetta Falchi Calaresu Michele

Obiettivo agenda 2030

### Challenges in STEAM Education

NAOseuM - NAO a bridge between past and future

<https://meetingorganizer.copernicus.org/EGU23/abstractsubmission/47413/232>

#### Obiettivo 4 : Istruzione equa

##### **Abstract**

NAOseuM - NAO a bridge between past and future- NAO Challenge 2022

The Nao Challenge is an educational contest for high school students organized for the first time in Italy in 2015 by Scuola di Robotica (the School of Robotics) in collaboration with SoftBank Robotics and the Italian company CampuStore.

The aim of the competition is to offer high school students the chance to work and program a humanoid robot to be used in plausible and real-like situations.

We are convinced that education and culture in all the subjects, STEM and Arts, technoscience and humanities, are important to prepare future generations for the challenges that the current technological revolution. This challenge requires that students employ all their skills, technical, scientific, artistic, social:

The competition is divided into two categories for the semi-finals: those who own the robot Nao and those who do not. We have NAO, but it is possible to use the NAO simulation software.

The theme for this edition was the protection and promotion of cultural heritage.

The project named "NAOseum", worked in close collaboration with the Archaeological Museum of Alghero "MUSA".

The project participated in the NAO Challenge 22, passed all the preselections representing Sardinia in the national robotics competition, for the first time ever since its establishment.

He also received thanks from the councilor for public education of the municipality of Alghero.

The objectives are:

Raise awareness among the youth population to discover the history of their territory by making them curious with the use of humanoid robotics;

Increase the influx of the now disinterested population into museums thanks to the help of NAO;

Develop a robot-human interaction that does not create a detachment between the two, but instead brings them closer;

Highlight the gap between the ancient and the modern and demonstrate how they can instead be united to create something beautiful and useful for society;

Intriguing the local population, and also those who come from outside, to the characteristics and curiosities that not all of them, they know about the unique Nuragic civilization of its kind.

Website or Social Links [https://linktr.ee/NAO\\_seum](https://linktr.ee/NAO_seum)

Video <https://youtu.be/28ubyZSujE>

EGU23-2119.



## Authorize access

---

You are currently signed in as:

**Costantina**

<https://orcid.org/0000-0002-0113-1657>


[Sign out](#)

---

[Copernicus.org](#) 

has asked for the following access to your ORCID record:

---

 Get your ORCID iD

---

**Authorize access**

**Deny access**

If authorized, this organization will have access to your ORCID record, as outlined above and described in further detail in [ORCID's privacy](#)

---